Kupní smlouva č. 24041/2024 – Dodatek č.1

uzavřená podle ustanovení § 2079 a násl. zákona č. 89/2012 Sb., občanský zákoník, ve znění pozdějších předpisů (dále jen „OZ“) níže uvedeného dne, měsíce a roku mezi těmito smluvními stranami:

Kupující: Střední lesnická škola a Střední odborná škola, Šluknov, příspěvková organizace
jejichž jménem jedná: Mgr. et Bc. Rudolf Sochor, ředitel školy
se sídlem: T.G. Masaryka 580, 407 77 Šluknov
IČ: 47274719
bankovní ústav: GE Money Bank, a.s.
číslo účtu: 152671241/0600
kontaktní osoby ve věcech administrativních:
Mgr. et Bc. Rudolf Sochor, ředitel školy, sochor@lesnicka-skola.cz, mobil: +420 412 314 016
kontaktní osoby ve věcech technických:
Slanina Petr, koordinátor a metodik ICT, slanina@lesnicka-skola.cz , mobil: +420 412 314 017

(dále jen **„Kupující“**)

a

Prodávající: Data Protection Delivery Center, s.r.o.
sídlo: Rybkova 1016/31, 602 00 Brno
IČ: 03064247
DIČ: CZ03064247
zapsaný v obch. rejstříku: u Krajského soudu v Brně, oddíl C, vložka 83488
zastoupený: Ing. Petrem Klabenešem, jednatelem
zástupce ve věcech smluvních: Ing. Petr Klabeneš, jednatel
zástupce ve věcech technických: Libor Krejčí
bankovní ústav: Komerční banka, a.s.
číslo účtu: 107-7585660267/0100
telefon: +420 513 034 697
e-mail: obchod@dpdc.cz

(dále jen **„Prodávající“**)

uzavírají níže uvedeného dne, měsíce a roku tento

DODATEK Č. 1 KE KUPNÍ SMLOUVĚ

Tímto dodatkem se smluvní strany dohodly na změně Kupní smlouvy č. 24041/2024 ze dne 07.05.2025 vztahující se k veřejné zakázce nazvané „**Zkvalitnění výuky žáků na Střední lesnická škola a Střední odborná škola, Šluknov, p.o. v rámci programu Spravedlivá transformace, část A, Vnitřní konektivita škol**“ (dále jen veřejná zakázka), a to konkrétně na změně dodávaného modelu této položky: Přístupový switch 24G. Předmět této smlouvy bude prováděn v rámci projektu s názvem „**Zkvalitnění výuky žáků na Střední lesnická škola a Střední odborná škola, Šluknov, p.o. v rámci programu Spravedlivá transformace, část A, Vnitřní konektivita škol**“ (dále jen „Projekt“), který je financován z Operačního programu Spravedlivá transformace, pod reg. číslem projektu „**CZ.10.02.01/00/23_009/0000138**“ (dále jen „OPST“).

Článek I.

Předmět smlouvy a koupě, změnová ujednání

1. Dodávaný ***„RUCKUS ICX 7150-24P, vč. všech potřebných licencí, dle spec.“*** je jako rozpočtová položka v rozpočtu veřejné zakázky změněna na ***„RUCKUS ICX 8200-24P, vč. všech potřebných licencí, dle spec.“;*** a to v počtu 3ks.

Ostatní ustanovení smlouvy zůstávají tímto dodatkem nedotčena.

Článek II.

Závěrečná ustanovení

1. Pokud v kupní smlouvě vč. jejich dodatků není stanoveno jinak, řídí se právní vztahy z ní vyplývající příslušnými ustanoveními občanského zákoníku, a to zejména ustanoveními § 2079 a násl. Smluvní strany se dohodly, že veškeré spory vzniklé z této smlouvy nebo v souvislosti s ní, které se nepodaří odstranit vzájemným jednáním smluvních stran, budou rozhodnuty věcně a místně příslušnými soudy v České republice, a to dle českého práva a dle příslušných ustanovení zákona č. 99/1963 Sb., občanský soudní řád, ve znění pozdějších předpisů.
2. Kupní smlouvu lze měnit či doplňovat pouze po dohodě smluvních stran formou písemných a číslovaných dodatků.
3. Tento dodatek v listinné podobě se vyhotovuje ve dvou stejnopisech, přičemž Kupující a Prodávající obdrží jedno vyhotovení.
4. Tento dodatek nabývá platnosti dnem jejího uzavření a účinnosti dnem uveřejnění v registru smluv. Dodatek bude v úplném znění uveřejněn prostřednictvím registru smluv postupem dle zákona č. 340/2015 Sb., o zvláštních podmínkách účinnosti některých smluv, uveřejňování těchto smluv a o registru smluv (zákon o registru smluv), ve znění pozdějších předpisů. Smluvní strany prohlašují, že souhlasí s uveřejněním svých osobních údajů obsažených v této smlouvě, které by jinak podléhaly znečitelnění, v registru smluv, popř. disponují souhlasem třetích osob uvedených na své straně s uveřejněním jejich osobních údajů v registru smluv, které by jinak podléhaly znečitelnění. Smluvní strany se dohodly na tom, že uveřejnění v registru smluv provede Kupující, který zároveň zajistí, aby informace o uveřejnění této smlouvy byla zaslána Prodávajícímu do datové schránky ur3i4fd / na e-mail: **obchod@dpdc.cz.**
5. Smluvní strany prohlašují, že si tento dodatek č. 1 ke kupní smlouvě č. 24041/2024 přečetly, jeho obsahu porozuměly a souhlasí s ním, a na důkaz toho ho podepisují na základě své vlastní, vážné a svobodné vůle prosté omylu, a nikoli v tísni ani za nápadně nevýhodných podmínek

Ve Šluknově

Za Kupujícího:

Mgr. Bc. Rudolf Sochor
Digitálně podepsal Mgr. Bc. Rudolf Sochor
Datum: 2025.07.25 11:42:16 +02'00'

Mgr. Bc. Rudolf Sochor, ředitel školy

V Brně

Za Prodávajícího:

Ing. Petr Klabeneš
Digitally signed by Ing. Petr Klabeneš
Date: 2025.07.26 10:34:43 +02'00'

Ing. Petr Klabeneš, jednatel společnosti

Seznam příloh:

Příloha č. 1. End of Sale Announcement - ICX7150-24P
Příloha č. 2. Čestné prohlášení o ukončení prodeje produktu
Příloha č. 3. Technický list ruckus-icx-7150-switch-data-sheet
Příloha č. 4. Technický list ruckus-icx-8200-switch-data-sheet

RUCKUS End of Sale Announcement

RUCKUS ICX®: ICX7150-24, ICX7150-24P, ICX7150-48, ICX7150-48P, ICX7150-48PF

March 10th, 2025

Document Revision History

Doc Rev	Description
0.1	March 10th, 2025, Initial publication
0.2	March 11th, 2025, Support SKUs & extension to milestone dates

Please be advised that effective **March 10th, 2025**, the RUCKUS ICX7150-24, ICX7150-24P, ICX7150-48, ICX7150-48P, ICX7150-48PF products are End of Sale and are no longer be available for purchase. RUCKUS will fulfill orders while supplies last. For the products in this End of Sale Announcement, the Last Ship Date is July 31st, 2025. RUCKUS may update this announcement after initial release to provide clarity or to address any errors or omissions.

The RUCKUS ICX7150-C12P, ICX7150-C10ZP and ICX7150-48ZP products are not included in this End of Sale announcement. An End of Sale announcement for ICX7150-C12P, ICX7150-C10ZP and ICX7150-48ZP products will be provided later this year.

Discontinued Products

The following product SKUs will no longer be orderable after **March 10th, 2025.**

Part Number	Description
ICX7150-24-2X10G	24-PRT 2X10G 2X1G SFP+
ICX7150-24-4X10GR	24-PRT 4X10G SFP+ L3 PREM
ICX7150-24-4X10GR-A	24-PRT 4X10G SFP+ L3 PREM TAA
ICX7150-24-4X10GR-RMT3	24-PRT 4X10G SFP+ L3 PREM RMT3
ICX7150-24-4X1G	24-PRT 4X1G SFP+
ICX7150-24P-2X10G	24-PRT POE+ 2X10G 2X1G SFP+
ICX7150-24P-4X10GR	24-PRT POE+ 4X10G SFP+ L3 PREM
ICX7150-24P-4X10GR-A	24-PRT POE+ 4X10G SFP+ L3 PREM TAA
ICX7150-24P-4X10GR-RMT3	24-PRT POE+ 4X10G SFP+ L3 PREM RMT3
ICX7150-24P-4X1G	24-PRT POE+ 4X1G SFP+
ICX7150-48-2X10G	48-PRT 2X10G 2X1G SFP+
ICX7150-48-4X10GR	48-PRT 4X10G SFP+ L3 PREM
ICX7150-48-4X10GR-A	48-PRT 4X10G SFP+ L3 PREM TAA
ICX7150-48-4X10GR-RMT3	48-PRT 4X10G SFP+ L3 PREM RMT3
ICX7150-48-4X1G	48-PRT 4X1G SFP+
ICX7150-48P-2X10G	48-PRT POE+ 370W 2X10G 2X1G SFP+
ICX7150-48P-4X10GR	48-PRT POE+ 370W 4X10G SFP+ L3 PREM
ICX7150-48P-4X10GR-A	48-PRT POE+ 370W 4X10G SFP+ L3 PREM TAA
ICX7150-48P-4X10GR-RMT3	48-PRT POE+ 370W 4X10G SFP+ L3 PREM RMT3
ICX7150-48P-4X1G	48-PRT POE+ 370W 4X1G SFP+
ICX7150-48PF-2X10G	48-PRT POE+ 740W 2X10G 2X1G SFP+
ICX7150-48PF-4X10GR	48-PRT POE+ 740W 4X10G SFP+ L3 PREM
ICX7150-48PF-4X10GR-A	48-PRT POE+ 740W 4X10G SFP+ L3 PREM TAA
ICX7150-48PF-4X10GR-RMT3	48-PRT POE+ 740W 4X10G SFP+ L3 PREM RMT3

ICX7150-48PF-4X1G	48-PRT POE+ 740W 4X1G SFP+
ICX7150-24P-ES	E-SERIES 24-PRT POE+ 4X1G SFP
ICX7150-48P-ES	E-SERIES 48-PRT POE+ 370W 4X1G SFP

Discontinued Support

The following SKUs will no longer be orderable past the "End of Sale" Date. This is only applicable to ICX7150 SKUs listed above.

SKU	Description	End of Sale
ICX7150-SVL-R4P-5	WatchDog 4H PRTS SPT REN ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-RASDP4P-5	AsctPtnSpt 4H REN, ICX7150 ALL, 5Y	September 10, 2025
ICX7150-SVL-RASDPM-5	AsctPtnSpt RMT REN, ICX7150 ALL, 5Y	September 10, 2025
ICX7150-SVL-RASDPNDP-5	AsctPtnSpt NBD REN, ICX7150 ALL, 5Y	September 10, 2025
ICX7150-SVL-RMT-5	WatchDog RMT SPT ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-RNDP-5	WatchDog NBD PRTS SPT REN ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-RPC4P-5	BullDog 4H PRTS SPT REN ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-RPCNDP-5	BullDog NBD PRTS SPT REN ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-RPCRMT-5	BullDog RMT SPT REN ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-RRMT-5	WatchDog RMT SPT REN ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-R4P-3	WatchDog 4H PRTS SPT REN ICX7150 ALL,3Y	September 10, 2027
ICX7150-SVL-RASDP4P-3	AsctPtnSpt 4H REN, ICX7150 ALL, 3Y	September 10, 2027
ICX7150-SVL-RASDPM-3	AsctPtnSpt RMT REN, ICX7150 ALL, 3Y	September 10, 2027
ICX7150-SVL-RASDPNDP-3	AsctPtnSpt NBD REN, ICX7150 ALL, 3Y	September 10, 2027
ICX7150-SVL-RMT-3	WatchDog RMT SPT ICX7150 ALL,3Y	September 10, 2027
ICX7150-SVL-RNDP-3	WatchDog NBD PRTS SPT REN ICX7150 ALL,3Y	September 10, 2027
ICX7150-SVL-RPC4P-3	BullDog 4H PRTS SPT REN ICX7150 ALL,3Y	September 10, 2027
ICX7150-SVL-RPCNDP-3	BullDog NBD PRTS SPT REN ICX7150 ALL,3Y	September 10, 2027
ICX7150-SVL-RPCRMT-3	BullDog RMT SPT REN ICX7150 ALL,3Y	September 10, 2027
ICX7150-SVL-RRMT-3	WatchDog RMT SPT REN ICX7150 ALL,3Y	September 10, 2027
ICX7150-SVL-R4P-1	WatchDog 4H PRTS SPT REN ICX7150 ALL,1Y	September 10, 2030
ICX7150-SVL-RASDP4P-1	AsctPtnSpt 4H REN, ICX7150 ALL, 1Y	September 10, 2030
ICX7150-SVL-RASDPM-1	AsctPtnSpt RMT REN, ICX7150 ALL, 1Y	September 10, 2030
ICX7150-SVL-RASDPNDP-1	AsctPtnSpt NBD REN, ICX7150 ALL, 1Y	September 10, 2030
ICX7150-SVL-RMT-1	WatchDog RMT SPT ICX7150 ALL,1Y	September 10, 2030
ICX7150-SVL-RNDP-1	WatchDog NBD PRTS SPT REN ICX7150 ALL,1Y	September 10, 2030
ICX7150-SVL-RPC4P-1	BullDog 4H PRTS SPT REN ICX7150 ALL,1Y	September 10, 2030
ICX7150-SVL-RPCNDP-1	BullDog NBD PRTS SPT REN ICX7150 ALL,1Y	September 10, 2030
ICX7150-SVL-RPCRMT-1	BullDog RMT SPT REN ICX7150 ALL,1Y	September 10, 2030
ICX7150-SVL-RRMT-1	WatchDog RMT SPT REN ICX7150 ALL,1Y	September 10, 2030
BR-ICX-7150-210U410R-P-01	S/W,ICX7150 24/48 2X10G TO 4X10G L3 PREM	September 10, 2030
BR-ICX-7150-41U210-P-01	S/W,ICX7150 24/48 4X1G TO 2X10G UPG	September 10, 2030
BR-ICX-7150-41U410R-P-01	S/W,ICX7150 24/48 4X1G TO 4X10G L3 PREM	September 10, 2030
BR-ICX-7150C-21U210R-P-01	S/W,ICX7150 C12P 2X1G TO 2X10G L3 PREM	September 10, 2030
BR-ICX-7150Z210U810R-P-01	S/W,ICX7150 48ZP 2X10G TO 8X10G L3 PREM	September 10, 2030
ICX7150-SVL-4P-5	WatchDog 4H PRTS SPT ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-ASDP4P-5	AsctPtnSpt 4H, ICX7150 ALL, 5Y	September 10, 2025
ICX7150-SVL-ASDPM-5	AsctPtnSpt RMT, ICX7150 ALL, 5Y	September 10, 2025

ICX7150-SVL-ASDPNDP-5	AsctPtnSpt NBD, ICX7150 ALL, 5Y	September 10, 2025
ICX7150-SVL-NDP-5	WatchDog NBD PRTS SPT ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-NEWSECUP-5	New Part Secure, ICX7150, 5 Y	September 10, 2025
ICX7150-SVL-PC4P-5	BullDog 4H PRTS SPT ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-PCNDP-5	BullDog NBD PRTS SPT ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-PCRMT-5	BullDog RMT SPT ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-SECUPLIFT-5	SEC UPLIFT SPT FOR ICX7150 ALL,5Y	September 10, 2025
AN7150ZF-S-PCRMT-5	BD RMT Support ANLA 7150 ZP and PF, 5 Yr	September 10, 2025
AN7150-S-PCRMT-5	BullDog RMT Support, ANLA 7150, 5 Yr	September 10, 2025
7150-S-RSECUP-5	SEC UPLIFT REN, ICX 7150 24 AND 48, 5 YR	September 10, 2025
7150-48ZP-S-RSEC-5	SEC UPLIFT REN, ICX 7150-48ZP, 5 YR	September 10, 2025
7150-S-RNEWSEC-5	NEW PART SEC REN, 7150 24 AND 48, 5 YR	September 10, 2025
ICX7150-48ZPB-SVL-RMT-5	ESS RMT SPT 7150-48ZP RMT3,5Y	September 10, 2025
ICX7150-SVL-CSDP4P-5	GSP SPT, 4-HR Delivery RMA, ICX7150	September 10, 2025
ICX7150-SVL-RCSDP4P-5	GSP SPT, 4-HR Delivery RMA, ICX7150	September 10, 2025
ICX7150-SVL-P4P-5	BDog 4H PRTS SPT ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-RP4P-5	BDog 4H PRTS SPT REN ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-PSDPM-5	GSP SPT, Backline Mnt Only, ICX7150	September 10, 2025
ICX7150-SVL-RPSDPM-5	GSP SPT, Backline Mnt Only, ICX7150	September 10, 2025
ICX7150-48ZP-SVL-PNDP-5	BDog NBD PRTS SPT ICX 7150-48ZP ,5Y	September 10, 2025
ICX7150-SVL-PSDPA-5	SpcPtr Spt, NBD RMA, ICX7150, 5Y	September 10, 2025
ICX7150-SVL-RPSDPA-5	SpcPtr Spt REN, NBD RMA, ICX7150, 5Y	September 10, 2025
ICX7150-SVL-PRMT-5	BDog RMT SPT ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-RPRMT-5	BDog RMT SPT REN ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-PNDP-5	BDog NBD PRTS SPT ICX7150 ALL,5Y	September 10, 2025
ICX7150-SVL-RPNDP-5	BDog NBD PRTS SPT REN ICX7150 ALL,5Y	September 10, 2025
7150-S-RSECUP-1	SEC UPLIFT REN, ICX 7150 24 AND 48, 1 YR	September 10, 2030
7150-S-RNEWSEC-3	NEW PART SEC REN, 7150 24 AND 48, 3 YR	September 10, 2027
7150-S-RSECUP-3	SEC UPLIFT REN, ICX 7150 24 AND 48, 3 YR	September 10, 2027
7150-S-RNEWSEC-1	NEW PART SEC REN, 7150 24 AND 48, 1 YR	September 10, 2030
ICX7150-SVL-RPSDPM-1	GSP SPT, Backline Mnt Only, ICX7150	September 10, 2030
ICX7150-SVL-RPSDPA-1	SpcPtr Spt REN, NBD RMA, ICX7150, 1Y	September 10, 2030
ICX7150-SVL-RPRMT-1	BDog RMT SPT REN ICX7150 ALL,1Y	September 10, 2030
ICX7150-SVL-RPSDPM-3	GSP SPT, Backline Mnt Only, ICX7150	September 10, 2027
ICX7150-SVL-4P-1	WatchDog 4H PRTS SPT ICX7150 ALL,1Y	March 10, 2026
ICX7150-SVL-4P-3	WatchDog 4H PRTS SPT ICX7150 ALL,3Y	March 10, 2026
ICX7150-SVL-ASDP4P-1	AsctPtnSpt 4H, 7150 ALL, 1Y	March 10, 2026
ICX7150-SVL-ASDP4P-3	AsctPtnSpt 4H, ICX7150 ALL, 3Y	March 10, 2026
ICX7150-SVL-ASDPM-1	AsctPtnSpt RMT, ICX7150 ALL, 1Y	March 10, 2026
ICX7150-SVL-RPSDPA-3	SpcPtr Spt REN, NBD RMA, ICX7150, 3Y	September 10, 2027
ICX7150-SVL-ASDPM-3	AsctPtnSpt RMT, ICX7150 ALL, 3Y	March 10, 2026
ICX7150-SVL-RPNDP-1	BDog NBD PRTS SPT REN ICX7150 ALL,1Y	September 10, 2030
ICX7150-SVL-ASDPNDP-1	AsctPtnSpt NBD, ICX7150 ALL, 1Y	March 10, 2026
ICX7150-SVL-ASDPNDP-3	AsctPtnSpt NBD, ICX7150 ALL, 3Y	March 10, 2026
ICX7150-SVL-NDP-1	WatchDog NBD PRTS SPT ICX7150 ALL,1Y	March 10, 2026
ICX7150-SVL-NDP-3	WatchDog NBD PRTS SPT ICX7150 ALL,3Y	March 10, 2026
ICX7150-SVL-NEWSECUP-1	New Part Secure, ICX7150, 1 Y	March 10, 2026

ICX7150-SVL-NEWSECUP-3	New Part Secure, ICX7150, 3 Y	March 10, 2026
ICX7150-SVL-PC4P-1	BullDog 4H PRTS SPT ICX7150 ALL,1Y	March 10, 2026
ICX7150-SVL-PC4P-3	BullDog 4H PRTS SPT ICX7150 ALL,3Y	March 10, 2026
ICX7150-SVL-PCNDP-1	BullDog NBD PRTS SPT ICX7150 ALL,1Y	March 10, 2026
ICX7150-SVL-PCNDP-3	BullDog NBD PRTS SPT ICX7150 ALL,3Y	March 10, 2026
ICX7150-SVL-PCRMT-1	BullDog RMT SPT ICX7150 ALL,1Y	March 10, 2026
ICX7150-SVL-RCSDP4P-1	GSP SPT, 4-HR Delivery RMA, ICX7150	September 10, 2030
ICX7150-SVL-PCRMT-3	BullDog RMT SPT ICX7150 ALL,3Y	March 10, 2026
ICX7150-SVL-RP4P-1	BDog 4H PRTS SPT REN ICX7150 ALL,1Y	September 10, 2030
ICX7150-SVL-SECUPLIFT-1	SEC UPLIFT SPT FOR ICX7150 ALL,1Y	March 10, 2026
ICX7150-SVL-SECUPLIFT-3	SEC UPLIFT SPT FOR ICX7150 ALL,3Y	March 10, 2026
ICX7150-SVL-RPRMT-3	BDog RMT SPT REN ICX7150 ALL,3Y	September 10, 2027
ICX7150-SVL-PSDPM-1	GSP SPT, Backline Mnt Only, ICX7150	March 10, 2026
ICX7150-SVL-PSDPA-1	SpcPtr Spt, NBD RMA, ICX7150, 1Y	March 10, 2026
ICX7150-SVL-PRMT-1	BDog RMT SPT ICX7150 ALL,1Y	March 10, 2026
ICX7150-SVL-PSDPM-3	GSP SPT, Backline Mnt Only, ICX7150	March 10, 2026
ICX7150-SVL-PSDPA-3	SpcPtr Spt, NBD RMA, ICX7150, 3Y	March 10, 2026
ICX7150-SVL-PNDP-1	BDog NBD PRTS SPT ICX7150 ALL,1Y	March 10, 2026
ICX7150-SVL-RPNDP-3	BDog NBD PRTS SPT REN ICX7150 ALL,3Y	September 10, 2027
ICX7150-SVL-CSDP4P-1	GSP SPT, 4-HR Delivery RMA, ICX7150	March 10, 2026
ICX7150-SVL-P4P-1	BDog 4H PRTS SPT ICX7150 ALL,1Y	March 10, 2026
ICX7150-SVL-PRMT-3	BDog RMT SPT ICX7150 ALL,3Y	March 10, 2026
ICX7150-SVL-PNDP-3	BDog NBD PRTS SPT ICX7150 ALL,3Y	March 10, 2026
ICX7150-SVL-RCSDP4P-3	GSP SPT, 4-HR Delivery RMA, ICX7150	September 10, 2027
ICX7150-SVL-CSDP4P-3	GSP SPT, 4-HR Delivery RMA, ICX7150	March 10, 2026
ICX7150-SVL-P4P-3	BDog 4H PRTS SPT ICX7150 ALL,3Y	March 10, 2026
ICX7150-SVL-RP4P-3	BDog 4H PRTS SPT REN ICX7150 ALL,3Y	September 10, 2027

Software Support

Software support (inclusion in new feature releases and active bug fixes) for these products will continue until **March 10th, 2026:**

Milestone	Date
End of Software Maintenance: Last date a RUCKUS product will receive regular maintenance software updates.	March 10th, 2026

Replacement Products

The following replacement products are functionally better than or equivalent to the End of Sale products. The replacements are suggestions based on most common usage. Specific use cases may require different replacements than those listed.

Current Product	Replacement Product until 6/30/2025	Replacement Product after 7/1/25
ICX7150-24-2X10G	ICX8200-24	ICX8100-24-X
ICX7150-24-4X10GR	ICX8200-24	ICX8100-24-X
ICX7150-24-4X10GR-A	ICX8200-24	ICX8200-24
ICX7150-24-4X10GR-RMT3	ICX8200-24	ICX8100-24-X
ICX7150-24-4X1G	ICX8100-24	ICX8100-24

RUCKUS End of Sale Announcement

RUCKUS ICX®: ICX7150-24, ICX7150-24P, ICX7150-48, ICX7150-48P, ICX7150-48PF

ICX7150-24P-2X10G	ICX8200-24P	ICX8100-24P-X
ICX7150-24P-4X10GR	ICX8200-24P	ICX8100-24P-X
ICX7150-24P-4X10GR-A	ICX8200-24P	ICX8200-24P
ICX7150-24P-4X10GR-RMT3	ICX8200-24P	ICX8100-24P-X
ICX7150-24P-4X1G	ICX8100-24P	ICX8100-24P
ICX7150-48-2X10G	ICX8200-48	ICX8100-48-X
ICX7150-48-4X10GR	ICX8200-48	ICX8100-48-X
ICX7150-48-4X10GR-A	ICX8200-48	ICX8200-48
ICX7150-48-4X10GR-RMT3	ICX8200-48	ICX8100-48-X
ICX7150-48-4X1G	ICX8100-48	ICX8100-48
ICX7150-48P-2X10G	ICX8200-48P	ICX8100-48P-X
ICX7150-48P-4X10GR	ICX8200-48P	ICX8100-48P-X
ICX7150-48P-4X10GR-A	ICX8200-48P	ICX8200-48P
ICX7150-48P-4X10GR-RMT3	ICX8200-48P	ICX8100-48P-X
ICX7150-48P-4X1G	ICX8100-48P	ICX8100-48P
ICX7150-48PF-2X10G	ICX7150-48ZP-E2X10G	ICX7150-48ZP-E2X10G
ICX7150-48PF-4X10GR	ICX7150-48ZP-E8X10GR	ICX7150-48ZP-E8X10GR
ICX7150-48PF-4X10GR-A	ICX7150-48ZP-E8X10GR2-A	ICX7150-48ZP-E8X10GR2-A
ICX7150-48PF-4X10GR-RMT3	ICX7150-48ZP-E8X10GR-RMT3	ICX7150-48ZP-E8X10GR-RMT3
ICX7150-48PF-4X1G	ICX7150-48ZP-E2X10G	ICX7150-48ZP-E2X10G
ICX7150-24P-ES	ICX8100-24P	ICX8100-24P
ICX7150-48P-ES	ICX8100-48P	ICX8100-48P

Milestone Dates

Milestone	Date
End of Sale*	March 10th, 2025
Last Ship Date*	July 31st, 2025
End of Software Maintenance – Last date a RUCKUS product will receive regular maintenance software updates.	September 10th, 2026
End of Support – Last date a RUCKUS product can receive support via an active entitlement.	September 10th, 2030

Please see RUCKUS' End of Life Policy here for more details

* The actual End of Sale date or Last Ship Date may vary for some SKUs depending on stock availability. All new support SKUs must be purchased within six months of the last ship date of the products.

PROFICOMMS value added distributor

www.proficomms.cz

Čestné prohlášení

Dovozce: **PROFIcomms s.r.o.**
Olomoucká 91
627 00 Brno

prohlašuje, že u produktu:

ICX7150-24P-2X10G

ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 2x 1G SFP and 2x 10G SFP+ uplink-ports upgradable to 4x 10G SFP+ with license 370W PoE budget, basic L3 (static routing and RIP)

je ukončen prodej od 10.března 2025, včetně příslušenství a servisních služeb, viz přiložené oznámení výrobce, a tudíž není možné dodat.

Náhradou za tento model je:

ICX8200-24P

RUCKUS ICX 8200 Switch, 24×10/100/1000 Mbps PoE+ ports, 4×10/25 GbE SFP28 stacking/uplink-ports, 370W PoE budget, three-year remote TAC support. Power cord not included. TAA

Který je plnohodnotnou náhradou ukončené switche ICX7150-24P-2X10G

Dne: 10. 07. 2025

doc. Ing. František Urban CSc.

DATA SHEET

RUCKUS® ICX 7150

Enterprise-class stackable access switch

Entry-Level Access Switch Series Delivers Unprecedented Performance and Features in Its Class

The RUCKUS® ICX® 7150 series of stackable switches delivers the performance, flexibility, and scalability required for enterprise access deployment, raising the bar with non-blocking performance and up to 8x10 GbE ports for uplinks or stacking. It offers seamless interoperability with RUCKUS wireless products to deliver unified wired and wireless network access. In addition, RUCKUS Multigigabit Ethernet technology offers bandwidth speeds needed to optimize performance of the latest generation high performance wireless access points and edge devices, over standard Ethernet cables.

Benefits

Stackability Simplifies Management

- Class-leading stacking scalability with up to 12 switches per stack
- Long-distance stacking up to 10 km using standard optics or cables

10 GbE Ports Optimize Network Performance

- Up to 8×10 GbE SFP+ ports for stacking or uplinks

Dual Power Supplies for High Availability

- Dual load-sharing, hot-swappable power supplies available on the Z-Series switch

Multigigabit Support Enables Next Generation Wireless Deployment

- Up to 16x 2.5 and 2x 2.5/5/10 GbE ports optimized for Wi-Fi 5 and 6 deployment

Class leading PoE Budget to Power Advanced Edge Devices

- PoE+/PoH/802.3bt budget (up to 1,480 watts)[1]
- Support advanced wireless APs and video surveillance equipment

Silent Operation for Deployment in the Work Environment

- Fanless design or fanless mode enables silent non-disruptive deployment anywhere

Advanced L3 Maximizes Flexibility

- OSPF, VRRP, PIM, PBR L3 features

Campus Fabric Reduces Cost of Operations, Increases Flexibility

- RUCKUS Campus Fabric delivers the benefits of a chassis with the flexibility of stackables
- Scales to over 1800 ports

[1] Up to 90W per port, IEEE 802.3bt standard pending ratification. Compatible with uPoE.

The RUCKUS ICX 7150 series of switches are available in three formats:

RUCKUS ICX 7150 Switches

The standard RUCKUS ICX 7150 switches are available in 24-, and 48-port 10/100/1000 Mbps models with four 1/10 GbE dual-purpose uplink/stacking ports. These switches are available with or without PoE+ power. Silent operation is available for out-of-closet environments.

RUCKUS ICX 7150 Z-Series Switch

The RUCKUS ICX 7150-48ZP 48-port switch adds higher performance, greater resiliency and increased PoE power. The switch offers Multigigabit technology (IEEE 802.3bz) to match the highest performing 802.11ac Wave 2 wireless access points available, with dual redundant, hot-swappable power supplies and fans, and up to 8x10 GbE uplink/stacking ports.

The switch offers 16 Multigigabit (100Mbps/1Gbps/2.5Gbps) ports, each with Power-over-HDBaseT (PoH) up to 90 watts and 802.3bt ready, plus 32 10/100/1000 Mbps ports with PoE+. With a maximum PoE budget of 1480 watts, this switch delivers the power, and performance, to drive PoE+ power to all 48 ports.

RUCKUS ICX 7150 Compact Switches

The RUCKUS ICX 7150 compact switches come in 10 and 12 ports models and feature a fanless design to operate silently in out-of-closet environments such as offices, classrooms, and retail spaces. They offer PoE on all ports. The ICX 7150-C10ZP delivers up to 90W per port of PoE power and multigigabit Ethernet at 2.5/5/10 Gbps speeds. With 2x1/10 GbE uplink/stacking ports, the ICX 7150-C12P and C10ZP deliver high performance in a small package.

Stacking Across the ICX 7150 Series

RUCKUS stacking technology makes it possible to stack up to twelve RUCKUS ICX 7150 switches into a single logical switch. This allows the RUCKUS ICX 7150 to deliver a class-leading 480 Gbps of aggregated stacking bandwidth and offer simple and robust expandability for future growth. Stacking is supported across the ICX 7150 series and all ICX 7150 models including the ICX 7150 compact switches and the ICX 7150-48ZP can be mixed within the same stack. This stacked switch has only a single IP address that simplifies management and offers transparent forwarding across up to 600×1 GbE ports or up to 192×2.5 GbE ports, and up to 96×10 GbE ports. When new switches join the stack, they automatically inherit the stack's existing configuration file, enabling a plug-and-play network expansion.

Because the ICX 7150-48ZP switch has twice as many uplink ports, when it is added to a stack of other ICX 7150 switch models, the effective bandwidth of all the switches is doubled. By designing the stack this way, all four of the 10GbE ports on the ICX 7150 switches can be used for stacking (rather than having to split the four ports between stacking and uplinks), and leveraging four of the 10GbE ports on the ICX 7150-48ZP for stacking and the other four 10GbE ports can be used for uplinks.

Enterprise-Class Availability

The RUCKUS ICX 7150 Switches help deliver continuous availability to optimize the user experience. RUCKUS stacking technology provides high availability by performing real-time state synchronization across the stack and transferring switch management control from the master stack controller to the standby controller if the master stack controller experiences a failure. When hot-inserting or hot-removing a stack member to increase capacity or perform service upgrade, traffic flows will not experience interruption.

In addition to stack-level high availability, RUCKUS ICX 7150 Switches also support stack level ISSU (In Service Software Upgrade), a unique capability that allows the user to perform software upgrades to a RUCKUS ICX 7150 stack without service interruption. Taking high-availability and reliability even further, the RUCKUS ICX 7150 Z-Series switch offers redundant hot swappable load sharing power supplies and up to 2 hot swappable fans.

Figure 1: Up to 12 RUCKUS ICX 7150 Switches can be stacked together using up to four SFP+ 10 Gbps ports per switch for a fully redundant backplane delivering 480 Gbps of aggregated stacking bandwidth.

Silent Operation

The RUCKUS ICX 7150 compact switches, along with the RUCKUS ICX 7150-24 and the ICX 7150-48 switches, feature a fanless design that enables it to operate silently.

The RUCKUS ICX 7150-24P and the ICX 7150-48P offer a "silent mode" configuration option, enabling these switches to operate with the fan disabled while providing a PoE budget of 150 watts. This RUCKUS-exclusive feature enables users in hospitality, education, healthcare, and retail industries to deploy these switches outside of the wiring closet without disrupting the work environment.

Multigigabit Ethernet Support

The RUCKUS ICX® 7150-48ZP Switch raises the bar for entry-level switches even further with 16x IEEE 802.3bz compliant 2.5 GbE ports, up to 8×10 GbE uplink ports, dual redundant load sharing power supplies and class-leading stacking density with up to 12 switches per stack. The ICX 7150-C10ZP delivers multigigabit speeds in a compact form factor with support for 2.5/5 and 10 Gbps. Both switches stack with all other members of the ICX 7150 series allowing organizations to buy what they need now and easily scale as the need for Multigigabit support emerges. It is designed to work seamlessly with RUCKUS wireless access points to deliver unified wired and wireless network access.

Power Next-Generation Edge Devices

All ICX 7150 series members offer PoE options. The compact 12 port switch delivers PoE+ on all ports with a 124W PoE budget. The 24- and 48-port ICX 7150 switches offer up to 740W of PoE+ power and the ICX 7150 Z-Series offers an industry leading 1480W PoE budget when equipped with 2 power supplies. In addition to supporting PoE and PoE+, the RUCKUS ICX 7150 Z-Series also offers Power over HDBaseT (PoH) and is 802.3bt ready.[1] This new, high power standard delivers up to 90 watts per port through a standard Ethernet cable, simplifying the wiring of next-generation Ethernet-connected devices such as high-performance wireless APs, large HD displays, video surveillance equipment, and VDI thin terminals, enabling data and power to be carried by a single Ethernet wire. The PoE, PoE+ and PoH capabilities reduce the number of required power receptacles and power adapters while increasing reliability and wiring flexibility.

With a 1,480-watt power budget per switch (with two power supplies), the RUCKUS ICX 7150 48ZP model can supply Class 4 PoE+ power (30 watts) to every port and PoH 802.3bt ready power (90 watts) on 16 dedicated Multigigabit ports.

[1] Up to 90W per port, IEEE 802.3bt support pending software update. Compatible with uPoE.

RUCKUS ICX 7150 Product Series

RUCKUS ICX 7150

These RUCKUS ICX 7150 models offer a single integrated power supply, one RJ-45 Ethernet port for out-of-band network management, one USB Type-C port for console management, one RJ-45 port for serial console management, and one USB port for external file storage.

	**RUCKUS ICX 7150-24 Switch**	• 24× 10/100/1000 Mbps RJ-45 ports • 2× 10/100/1000 Mbps uplink RJ-45 ports • 4× 1/10 GbE uplink/stacking SFP/SFP+ ports
	**RUCKUS ICX 7150-24P Switch**	• 24× 10/100/1000 Mbps RJ-45 PoE+ ports • 370 W PoE budget • 2× 10/100/1000 Mbps uplink RJ-45 ports • 4× 1/10 GbE uplink/stacking SFP/SFP+ ports
	**RUCKUS ICX 7150-48 Switch**	• 48× 10/100/1000 Mbps RJ-45 ports • 2× 10/100/1000 Mbps uplink RJ-45 ports • 4× 1/10 GbE uplink/stacking SFP/SFP+ ports
	**RUCKUS ICX 7150-48P Switch**	• 48× 10/100/1000 Mbps RJ-45 PoE+ ports • 370 W PoE budget • 2× 10/100/1000 Mbps uplink RJ-45 ports • 4× 1/10 GbE uplink/stacking SFP/SFP+ ports
	**RUCKUS ICX 7150-48PF Switch**	• 48×10/100/1000 Mbps RJ-45 PoE+ ports • 740 W PoE budget • 2×10/100/1000 Mbps uplink RJ-45 ports • 4×1/10 GbE uplink/stacking SFP/SFP+ ports

RUCKUS ICX 7150 Z-Series

The RUCKUS ICX 7150 Z-Series Switch offers redundant hot swappable load sharing power supplies, up to 2 hot swappable fans, one RJ-45 Ethernet port for out-of-band network management, one USB Type-C port for console management, one RJ-45 port for serial console management, and one USB port for external file storage.

	**RUCKUS ICX 7150-48ZP**	• 16x 100/1000 Mbps/2.5 Gbps RJ-45 PoH, 802.3bt ready ports[1] • 32× 10/100/1000 Mbps RJ-45 PoE+ ports • 1,480 W PoE budget (with two power supplies) • 8× 1/10 GbE uplink/stacking SFP/SFP+ ports

RUCKUS ICX 7150 Compact Switches

The RUCKUS ICX 7150 compact switches offer a single integrated power supply, one RJ-45 Ethernet port for out-of-band network management[2], one USB Type-C port for console management, one RJ-45 port for serial console management[2], and one USB port for external file storage[2].

	**RUCKUS ICX 7150-C10ZP Compact Switch**	• 10x RJ-45 multigigabit ports, including 8× 2.5 GbE ports and 2x 2.5/5/10 GbE ports • 2× 1/10 GbE uplink/stacking SFP/SFP+ ports • 240W PoE budget. Delivers up to 90W per port on 4 PoH 802.3bt ready ports. Fanless
	**RUCKUS ICX 7150-C12P Compact Switch**	• 12× 10/100/1000 Mbps POE+ RJ-45 ports • 124 W PoE budget. Fanless • 2× 10/100/1000 Mbps uplink RJ-45 ports • 2× 1/10 GbE uplink/stacking SFP/SFP+ ports

[1] Up to 90W per port, IEEE 802.3bt support pending software update. Compatible with uPoE.

[2] Not supported on ICX 7150 8 port models

Enterprise-Class Features Across RUCKUS ICX Switches

The RUCKUS ICX switch family delivers the enterprise class features for flexibility, scalability and simplified management.

- RUCKUS Campus Fabric* technology delivers unmatched flexibility, scalability and simplified management for campus network deployments. Incorporating all of the ICX 7000 switch families with up to 1800 ports in a single logical domain, Campus Fabric allows customers the benefits of a traditional chassis, with the flexibility of stackable switches at a dramatically reduced Total Cost of Ownership (TCO).
- Advanced stacking* goes beyond traditional stacking with capabilities that take flexibility, ease of management and cost effectiveness to then next level, including:
  - Stacking on standard Ethernet ports
  - Long-distance stacking
  - No hardware module required for stacking
  - In Service Software Upgrade (ISSU) to minimize downtime
  - Superior scalability with the industry-leading number of switches per stack
  - Stacking at the access, aggregation and core layers
- Enterprise-Class Availability to improve resiliency and minimize downtime, including:
  - Hitless stack failover
  - Hot-insertion/removal of stack members
  - Redundant power supplies
  - In Service Software Upgrades for switch stacks
- RUCKUS offers a broad range of unified management solutions for organizations of all types and sizes:
  - RUCKUS SmartZone network controllers deliver the scale, flexibility to support the most sophisticated deployment scenarios.
  - RUCKUS Cloud eliminates on-premises controllers and management software, moving network management to the cloud.
  - RUCKUS Unleashed is a simple-to-setup, easy-to-run management solution in a package designed for small businesses.
- On-boarding and security policies across ICX switches and wireless networks
- OpenFlow 1.3 protocol* support in hybrid mode allows user to deploy traditional Layer 2/3 forwarding with OpenFlow on the same port for Software Defined Network (SDN) enabled programmatic control of the network
- Open Standards based management, monitoring and authentication
  - sFlow-based network monitoring to help analyze traffic statistics and trends on every link and overcome unexpected network congestion
  - Open-standards management includes Command Line Interface (CLI), Secure Shell (SSHv2), Secure Copy (SCP), and SNMPv3
  - Support for Access Controller Access Control System (TACACS/TACACS+) and RADIUS authentication helps ensure secure operator access
  - LLDP and LLDP-MED protocol support for configuring, discovering, and managing network infrastructure such as QoS, security policies, VLAN assignments, PoE power levels, and service priorities

* The ICX 7150-C08P does not support stacking, campus fabric and OpenFlow.

RUCKUS ICX 7150 Feature/Model Comparison

	10, 12 RJ-45 Ports Compact Switches		24 or 48 RJ-45 Ports		24 or 48 RJ45 PoE+ Ports			Z-Series
	RUCKUS ICX 7150-C12P	**RUCKUS ICX 7150-C10ZP**	**RUCKUS ICX 7150-24**	**RUCKUS ICX 7150-48**	**RUCKUS ICX 7150-24P**	**RUCKUS ICX 7150-48P**	**RUCKUS ICX 7150-48PF**	**RUCKUS ICX 7150-48ZP**
Feature								
Switching capacity (data rate, full duplex)	68 Gbps	120 Gbps	132 Gbps	180 Gbps	132 Gbps	180 Gbps	180 Gbps	304 Gbps
Forwarding capacity (data rate, full duplex)	51 Mpps	89 Mpps	98 Mpps	134 Mpps	98 Mpps	134 Mpps	134 Mpps	226 Mpps
10/100/1000 Mbps RJ45 downlinks	12		24	48	24	48	48	32
100/1000 Mbps SFP downlinks								
100/1000 Mbps/2.5 Gbps RJ45 downlinks (full duplex only)		8						16
100/1000 Mbps/2.5/5/10 Gbps RJ45 downlinks (full duplex only)		2						
10/100/1000 Mbps RJ45 uplinks (full duplex only, no PoE)	2		2	2	2	2	2	
1/10 Gbps SFP/SFP+ uplinks	2	2	4	4	4	4	4	8
PoE/PoE+ ports	12	6			24	48	48	32
PoH / PoE / PoE+ 802.3bt ready ports[1]		4						16
Dual hot-swap power supplies								Yes
Maximum PoE Class 3 ports (15.4 W per port)	8	10			24	24	48	48
Maximum PoE+ Class 4 ports (30 W per port)	4	8			12	12	24	48 (2 PSU)
Energy Efficient Ethernet (802.3az)		Yes[3]	Yes	Yes	Yes	Yes	Yes	Yes[3]
Base IPv4/v6 Layer 3 routing (static routing, RIP)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Advanced IPv4/v6 Layer 3 routing (OSPF, VRRP, PIM, PBR features)	With license	With license	With license	With license	With license	With license	With license	With license
Aggregated stacking bandwidth (data rate, full duplex)	240 Gbps	240 Gbps	480 Gbps	480 Gbps	480 Gbps	480 Gbps	480 Gbps	480 Gbps
Stacking density (maximum switches in a stack)	12	12	12	12	12	12	12	12
Stacking ports (maximum ports[2] usable for stacking)	Up to 2×10 GbE SFP+		Up to 4×10 GbE SFP+					
Maximum stacking distance (distance between stacked switches)	10 km	10 km	10 km	10 km	10 km	10 km	10 km	10 km
Campus Fabric	Fabric Port Extender (PE)							

[1] Up to 90W per port, IEEE 802.3bt support pending software update. Compatible with uPoE.

[2] 10 Gbps SFP+ ports are required for stacking.

[3] Supported in a future software release.

RUCKUS ICX 7150 Feature/Model Comparison

	10, 12 RJ-45 Ports Compact Switches		24 or 48 RJ-45 Ports		24 or 48 RJ45 PoE+ Ports			Z-Series
	RUCKUS ICX 7150-C12P	**RUCKUS ICX 7150-C10ZP**	**RUCKUS ICX 7150-24**	**RUCKUS ICX 7150-48**	**RUCKUS ICX 7150-24P**	**RUCKUS ICX 7150-48P**	**RUCKUS ICX 7150-48PF**	**RUCKUS ICX 7150-48ZP**
Latency	**RFC 2544 LATENCY**							
64 Byte 1GE 100% Throughput (µs)	2.336	3.331	2.426	2.571	2.426	2.571	2.571	2.877
64 Byte 10GE 100% Throughput (µs)	0.948	1.961	0.961	0.989	0.961	0.989	0.989	0.949
Feature	**POWER**							
Power inlet (AC)	C14							
Input voltage/frequency								
Power supply rated maximum (AC)	150 W	300W	36 W	65 W	525 W	525 W	880 W	2x 920 W
PoE power budget (AC)	124 W	240W			370 W	370 W	740 W	1480 W (2 PSU)
Switch power consumption[4] (25°C) **Idle (no PoE load)** **10% traffic[5] (full PoE load)** **100% traffic[5] (full PoE load)**	 20 W 157 W 157 W	 27 W 242 W 245 W	 14 W 24 W 24 W	 24 W 38 W 39 W	 32 W 455 W 472 W	 47 W 476 W 491 W	 50 W 869 W 893 W	 89 W 917 W 932 W
Airflow	Fanless	Fanless	Fanless	Fanless	Side-to-back	Side-to-back	Side-to-back	Front-to-back
Switch heat dissipation (25°C)[4,6] **Idle (no PoE load)** **10% traffic[5] (full PoE load)** **100% traffic[5] (full PoE load)**	 69 BTU/hr 78 BTU/hr 79 BTU/hr	 93 BTU/hr 128 BTU/hr 129 BTU/hr	 47 BTU/hr 81 BTU/hr 82 BTU/hr	 83 BTU/hr 131 BTU/hr 132 BTU/hr	 108 BTU/hr 137 BTU/hr 188 BTU/hr	 160 BTU/hr 196 BTU/hr 252 BTU/hr	 170 BTU/hr 299 BTU/hr 381 BTU/hr	 304 BTU/hr 433 BTU/hr 523 BTU/hr
Feature	**ENVIRONMENT**							
Net Weight (Kg)	2.58	3.57	3.8	4.82	4.93	6.17	6.28	6.61
Dimensions (mm)	269 (W) 213 (D) 43.4 (H)	304 (W) 305 (D) 44 (H)	440 (W) 280 (D) 43.65 (H)	440 (W) 370 (D) 43.65 (H)	440 (W) 280 (D) 43.65 (H)	440 (W) 370 (D) 43.65 (H)	440 (W) 370 (D) 43.65 (H)	440 (w) 332(D) 44(H)
Acoustics (25°C, min fan speed)	Fanless	Fanless	Fanless	Fanless	41.4 dBA	41.8 dBA	47.7 dBA	52 dBA
MTBF (25°C)	562,889 hours	529,625 hours	871,931 hours	714,420 hours	397,428 hours	335,853 hours	312,241 hours	104,626 hours
Feature	**MANAGEMENT PORTS**							
USB Type-C port (for console management)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RJ45 serial port (for serial console management)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USB Type-A port (for external file storage)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RJ45 Ethernet port (for out of band network management)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

[4] ICX 7150-48ZP Switch includes one AC power supply and one fan.

[5] Traffic load on all ports connected with maximum possible PoE/PoE+ loads (if equipped).

[6] PoE power not included in switch heat dissipation figures since the heat is not dissipated at the switch.

RUCKUS ICX 7150 Specifications

Feature	SPECIFICATIONS
Connector options	• 10/100/1000 Mbps RJ-45 • 1 Gbps SFP ports • 1/10 Gbps SFP+ ports* • Out-of-band Ethernet management: 10/100/1000 Mbps RJ-45* • Console management: RJ45 serial port and USB Type-C port with serial communication device class support* • File transfer: USB port, standard-A plug* • For the latest information about supported optics, please visit www.commscope.com/ruckus.
DRAM **NVRAM (Flash)** **Packet buffer size**	• 1 GB • 2 GB • 8/10/12/24 port: 2 MB, 48 port: 4 MB
Maximum MAC addresses	• 16,384
Maximum VLANs **Maximum PVLANs**	• 4,095 • 32
Maximum STP **(spanning trees instances)**	• 254
Maximum VEs	• 382
Maximum ARP entries	• 4,094
Maximum routes (in hardware)	• 1,000 (IPv4), 1,000 (IPv6) • Next hop address: 4,094
Trunking	• Maximum ports per trunk: 8 • Maximum trunk groups: 128
Maximum jumbo frame size	• 9,216 bytes
QoS priority queues	• 8 per port
Multicast groups	• 3,072 (Layer 2) • 2,048 (Layer 3)
Quality of Service (QoS)	• ACL Mapping and Marking of ToS/DSCP (CoS) • ACL Mapping and Marking of 802.1p • ACL Mapping to Priority Queue • Classifying and Limiting Flows Based on TCP Flags • DiffServ Support • Honoring DSCP and 802.1p (CoS) • MAC Address Mapping to Priority Queue • Priority Queue Management using Weighted Round Robin (WRR), Strict Priority (SP), and a combination of WRR and SP
Traffic management	• ACL-based inbound rate limiting and traffic policies • Broadcast, multicast, and unknown unicast rate limiting • Inbound rate limiting per port • Outbound rate limiting per port and per queue
Security	• 802.1X authentication • MAC authentication • Flexible authentication • Web authentication • DHCP snooping • Dynamic ARP inspection • Neighbor Discovery (ND) Inspection • Bi-level Access Mode (Standard and EXEC Level) • EAP pass-through support • IEEE 802.1X username export in sFlow • Protection against Denial of Service (DoS) attacks • Authentication, Authorization, and Accounting (AAA) • MAC Address Locking MAC Port Security • Advanced Encryption Standard (AES) with SSHv2 • RADIUS/TACACS/TACACS+ • Secure Copy (SCP) • Secure Shell (SSHv2) • Protected Ports • Local Username/Password • Change of Authorization (CoA) RFC 5176 • Trusted Platform Module • RADSEC (RFC 6614) • Encrypted Syslog (RFC 5425)
SDN features	• OpenFlow1 v1.0 and v1.3 • OpenFlow with hybrid port mode • Operates with an OpenDayLight Controller

* Not supported on ICX 7150 8 port models

RUCKUS ICX 7150 Specifications (continued)

High availability	• Layer 3 VRRP/VRRP-E protocol redundancy • Real-time state synchronization across the stack • Hitless failover and switchover from master to standby stack controller • Hot insertion and removal of stacked units • Layer 2 VSRP switch redundancy • In Service Software Update (ISSU)

Feature	FEATURE SETS	
Layer 2 feature set	• 802.1s Multiple Spanning Tree • 802.1x Authentication • Auto MDI/MDIX • BPDU Guard, Root Guard • Dual-Mode VLANs • MAC-based VLANs, Dynamic MAC-based VLAN activation • Dynamic VLAN Assignment • Dynamic Voice VLAN Assignment • Fast Port Span • GVRP: GARP VLAN Registration Protocol • IGMP Snooping (v1/v2/v3) • IGMP Proxy for Static Groups • IGMP v2/v3 Fast Leave • Inter-Packet Gap (IPG) adjustment • Link Fault Signaling (LFS) • MAC Address Filtering • MAC Learning Disable	• MLD Snooping (v1/v2) • Multi-device Authentication • Per-VLAN Spanning Tree (PVST/PVST+/PRST) • Mirroring: Port-based, ACL-based, MAC Filter-based, and VLAN-based • PIM-SM v2 Snooping • Port Loop Detection • Private VLAN • Remote Fault Notification (RFN) • Single-instance Spanning Tree • Trunk Groups (static, LACP) • Uni-Directional Link Detection (UDLD) • Metro-Ring Protocol (MRP) (v1, v2) • Virtual Switch Redundancy Protocol (VSRP) • Q-in-Q and selective Q-in-Q • VLAN Mapping • Topology Groups
Base Layer 3 IP routing feature set*	• IPv4 and IPv6 static routes – RIP v1/v2, RIPng • ECMP • Port-based Access Control Lists • Layer 3/Layer 4 ACLs	• Host routes • Virtual Interfaces • Routed Interfaces • Route-only Support • Routing Between Directly Connected Subnets
Premium Layer 3 IP routing feature set with software license*	• IPv4 and IPv6 dynamic routes • OSPF v2, v3 • PIM-SM, PIM-SSM, PIM-DM, PIM passive (IPv4, IPv6) • PBR	• Virtual Route Redundancy Protocol VRRP (IPv4) • VRRP v3 (IPv6) • VRRP-E(IPv4/IPv6)

Feature	STANDARD COMPLIANCE	
IEEE standards compliance	• 802.1AB LLDP/ LLDP-MED • 802.1D MAC Bridging • 802.1p Mapping to Priority Queue • 802.1s Multiple Spanning Tree (MST) • 802.1w Rapid Reconfiguration of Spanning Tree (RSTP) • 802.1x Port-based Network Access Control (PNAC) • 802.3 Carrier Sense Multiple Access/Collision Detection (CSMA/CD) • 802.3ab 1000BASE-T • 802.3 10Base-T • 802.3ad Link Aggregation (Dynamic and Static) • 802.1 AX-2008 Link Aggregation	• 802.3ae 10 Gigabit Ethernet • 802.3af Power over Ethernet • 802.3at Power over Ethernet Plus • 802.3bz Multigigabit Ethernet • 802.3u 100Base-TX • 802.3x Flow Control • 802.3z 1000Base-SX/LX • 802.3 MAU MIB (RFC 2239) • 802.1Q VLAN Tagging • 802.1BR Bridge Port Extension • 802.3az Energy Efficient Ethernet
RFC standards compliance	For a complete list of RFCs supported by the ICX 7000 product family, please visit www.commscope.com/ruckus.	

* Not supported on ICX 7150 8 port models

RUCKUS ICX 7150 Specifications (continued)

Feature	NETWORK AND DEVICE MANAGEMENT
Management	• DHCP Auto Configuration • Configuration Logging • Digital Optical Monitoring • Display Log Messages on Multiple Terminals • Embedded Web Management (HTTP/HTTPS) • Embedded DHCP Server • Industry-standard Command Line Interface (CLI) • RUCKUS SmartZone, RUCKUS Cloud, RUCKUS Unleashed • CLI activation of optional software features • USB file management and storage • Macro for batch execution • Out-of-band Ethernet Management • RSPAN • TFTP • TELNET Client and Server • SSH / SSH V2 • Bootp • SNMPv1/v2c • DHCP Server and DHCP Relay • SNMPv3 Intro to Framework • Architecture for Describing SNMP Framework • SNMP Message Processing and Dispatching • SNMPv3 Applications • SNMPv3 User-based Security Model • SNMP View-based Access Control Model SNMP • sFlow • Network Time Protocol (NTP) • Multiple Syslog Servers • SCP • Virtual Cable Tester (VCT) • From management MIB, please see the ICX technical documentation at www.commscope.com/ruckus
RUCKUS Campus Fabric technology*	• The RUCKUS ICX 7150 can operate in fabric Port Extender (PE) mode • Up to 36 PEs per fabric (up to 1800 ports) • PE cascade depth up to 6 units

Feature	ENVIRONMENT
Temperature	Operating Temperatures: 0°C to 45°C (0°C to 40°C for ICX7150-C10P) Storage Temperatures: -40°C to 70°C
Humidity	Operating relative humidity: 5% to 95% at 45°C, non-condensing Non-operating relative humidity: 0% to 95% at 70°C, non-condensing
Altitude	Operating altitude: 10,000 ft (3,000 m) maximum Storage altitude: 39,000 ft (12,000 m) maximum

Feature	COMPLIANCE/CERTIFICATION
Electromagnetic emissions	FCC Class A (Part 15); EN 55022/CISPR-22 Class A; VCCI Class A; ICES-003 Electromagnetic Emission; AS/NZS 55022; EN 61000-3-2 Power Line Harmonics; EN 61000-3-3 Voltage Fluctuation and Flicker; EN 61000-6-3 Emission Standard (supersedes: EN 50081-1)
Safety	CAN/CSA-C22.2 NO. 60950-1-07; UL 60950-1 Second Edition; IEC 60950-1 Second Edition; EN 60950-1:2006 Safety of Information Technology Equipment; EN 60825-1 Safety of Laser Products—Part 1: Equipment Classification, Requirements and User's Guide; EN 60825-2 Safety of Laser Products—Part 2: Safety of Optical Fibre Communication Systems
Immunity	EN 61000-6-1 Generic Immunity and Susceptibility (supersedes EN 50082-1); EN 55024 Immunity Characteristics (supersedes EN 61000-4-2 ESD); EN 61000-4-3 Radiated, Radio Frequency, Electromagnetic Field; EN 61000-4-4 Electrical Fast Transient; EN 61000-4-5 Surge; EN 61000-4-6 Conducted Disturbances Induced by Radio-Frequency Fields; EN 61000-4-8 Power Frequency Magnetic Field; EN 61000-4-11 Voltage Dips and Sags
Environmental regulatory compliance	RoHS-compliant (6 of 6); WEEE-compliant
Vibration	IEC 68-2-36, IEC 68-2-6
Shock and drop	IEC 68-2-27, IEC 68-2-32

* Not supported on ICX 7150 8 port models

RUCKUS ICX 7150 Ordering Information

Part Number	RUCKUS ICX 7150 Switches with 1 GbE Uplinks
ICX7150-C12P-2X1G	RUCKUS ICX 7150 Compact Switch, 12×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 2×1 GbE SFP uplink-ports upgradable to 2×10 GbE SFP+ with license. 124 W PoE budget, basic Layer 3 (static routing and RIP).
ICX7150-24-4X1G	RUCKUS ICX 7150 Switch, 24×10/100/1000 Mbps ports, 2×1 GbE RJ45 uplink-ports, 4×1 GbE SFP uplink-ports upgradable to up to 4×10 GbE SFP+ with license, basic Layer 3 (static routing and RIP).
ICX7150-24P-4X1G	RUCKUS ICX 7150 Switch 24×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 4×1 GbE SFP uplink ports upgradable to up to 4×10 GbE SFP+ with license, 370 W PoE budget, basic Layer 3 (static routing and RIP).
ICX7150-48-4X1G	RUCKUS ICX 7150 Switch, 48×10/100/1000 Mbps ports, 2×1 GbE RJ45 uplink-ports, 4×1 GbE SFP uplink-ports upgradable to up to 4×10 GbE SFP+ with license, basic Layer 3 (static routing and RIP).
ICX7150-48P-4X1G	RUCKUS ICX 7150 Switch, 48×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 4×1 GbE SFP uplink ports upgradable to up to 4×10 GbE SFP+ with license, 370 W PoE budget, basic Layer 3 (static routing and RIP).
ICX7150-48PF-4X1G	RUCKUS ICX 7150 Switch, 48×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 4×1 GbE SFP uplink ports upgradable to up to 4×10 GbE SFP+ with license, 740 W PoE budget, basic Layer 3 (static routing and RIP).

Part Number	RUCKUS ICX 7150 Switches with 2×10 GbE Uplinks
ICX7150-C12P-2X10GR	RUCKUS ICX 7150 Compact Switch, 12×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45, 2×10 GbE SFP+ stacking/uplink-ports, 124 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR).
ICX7150-C10ZP-2X10GR	RUCKUS ICX 7150 Compact Switch, 2x 100/1000/2.5/5/10G PoH ports, 2x 100/1000/2.5G PoH ports, 6x 100/1000/2.5G PoE+ ports, 2x 10G SFP+ stacking/uplink-ports, 240W PoE budget, L3 features (OSPF, VRRP, PIM, PBR).
ICX7150-24 -2X10G	RUCKUS ICX 7150 Switch, 24×10/100/1000 Mbps ports, 2×1 GbE RJ45 uplink-ports, 2×1 GbE SFP and 2×10 GbE SFP+ stacking/uplink-ports upgradable to 4×10 GbE SFP+ with license, basic Layer 3 (static routing and RIP).
ICX7150-24P-2X10G	RUCKUS ICX 7150 Switch, 24×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 2×1 GbE SFP and 2×10 GbE SFP+ stacking/uplink-ports upgradable to 4×10 GbE SFP+ with license, 370 W PoE budget, basic Layer 3 (static routing and RIP).
ICX7150-48-2X10G	RUCKUS ICX 7150 Switch, 48×10/100/1000 Mbps ports, 2×1 GbE RJ45 uplink-ports, 2×1 GbE SFP and 2×10 GbE SFP+ stacking/uplink-ports upgradable to 4×10 GbE SFP+ with license, basic Layer 3 (static routing and RIP).
ICX7150-48P-2X10G	RUCKUS ICX 7150 Switch, 48×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 2×1 GbE SFP and 2×10 GbE SFP+ stacking/uplink-ports upgradable to 4×10 GbE SFP+ with license, 370 W PoE budget, basic Layer 3 (static routing and RIP).
ICX7150-48PF-2X10G	RUCKUS ICX 7150 Switch, 48×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 2×1 GbE SFP and 2×10 GbE SFP+ stacking/uplink-ports upgradable to 4×10 GbE SFP+ with license, 740 W PoE budget, basic Layer 3 (static routing and RIP).
ICX7150-48ZP-E2X10G	RUCKUS ICX 7150 Z-Series Switch, 16×100/1000 Mbps/2.5 Gbps PoH ports, 32x10/100/1000 PoE+ ports, 6x1 GbE SFP uplink ports and 2×10 GbE SFP+ stacking/uplink-ports upgradable to up to 8x10 GbE SFP+ with license, 1x 920 W AC power supply, 1 fan, 740 W PoE budget, base L3 (static routing and RIP).

Part Number	RUCKUS ICX 7150 Switches with up 4 or 8×10 GbE Uplinks and Layer 3 Features
ICX7150-24-4X10GR	RUCKUS ICX 7150 Switch, 24×10/100/1000 Mbps ports, 2×1 GbE RJ45 uplink-ports, 4×10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR).
ICX7150-24P-4X10GR	RUCKUS ICX 7150 Switch, 24×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 4×10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR).
ICX7150-48-4X10GR	RUCKUS ICX 7150 Switch, 48×10/100/1000 Mbps ports, 2×1 GbE RJ45 uplink-ports, 4×10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR).
ICX7150-48P-4X10GR	RUCKUS ICX 7150 Switch, 48×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 4×10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR).
ICX7150-48PF-4X10GR	RUCKUS ICX 7150 Switch, 48×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 4×10 GbE SFP+ stacking/uplink-ports, 740 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR).
ICX7150-48ZP-E8X10GR	RUCKUS ICX 7150 Z-Series switch, 16×100/1000 Mbps/2.5 Gbps PoH ports, 32x10/100/1000 PoE+ ports, 8×10 GbE SFP+ stacking/uplink-ports (max 4 for stacking), 1x920 W AC power supply, 1 fan, 740 W PoE budget, L3 features (OSPF, VRRP, PIM, PBR).

RUCKUS ICX 7150 Ordering Information (continued)

Part Number	**RUCKUS ICX 7150 Switches with Three-Year Remote Support** Please note that three-year remote support can be ordered separately to cover any RUCKUS ICX 7150 model.
ICX7150-C12P-2X10GR-RMT3	RUCKUS ICX 7150 Compact Switch, 12×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 2×10 GbE SFP+ stacking/uplink-ports, 124 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support.
ICX7150-C10ZP-2X10GR-RMT3	RUCKUS ICX 7150 Compact Switch, 2x 100/1000/2.5/5/10G PoH ports, 2x 100/1000/2.5G PoH ports, 6x 100/1000/2.5G PoE+ ports, 2x 10G SFP+ stacking/uplink-ports, 240W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), three-year remote support.
ICX7150-24-4X10GR-RMT3	RUCKUS ICX 7150 Switch, 24×10/100/1000 Mbps ports, 2×1 GbE RJ45 uplink-ports, 4×10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support.
ICX7150-24P-4X10GR-RMT3	RUCKUS ICX 7150 Switch, 24×10/100/1000 Mbps PoE+ ports, 2×1G RJ45 uplink-ports, 4×10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support.
ICX7150-48-4X10GR-RMT3	RUCKUS ICX 7150 Switch, 48×10/100/1000 Mbps ports, 2×1 GbE RJ45 uplink-ports, 4×10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support.
ICX7150-48P-4X10GR-RMT3	RUCKUS ICX 7150 Switch, 48×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 4×10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support.
ICX7150-48PF-4X10GR-RMT3	RUCKUS ICX 7150 Switch, 48×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 4×10 GbE SFP+ stacking/uplink-ports, 740 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), three-year remote support.
ICX7150-48ZP-E8X10GR-RMT3	RUCKUS ICX 7150 Z-Series switch, 16×100/1000 Mbps/2.5 Gbps PoH ports, 32x10/100/1000 PoE+ ports, 8×10 GbE SFP+ stacking/uplink-ports (max 4 for stacking), 1x 920 W AC power supply, 1 fan, 740 W PoE budget, L3 features (OSPF, VRRP, PIM, PBR). Three-year remote support

Part Number	**TAA-Compliant RUCKUS ICX 7150 Switches** The RUCKUS ICX 7150 models with the SKUs below meet the requirements of the Trade Agreements Act (TAA).
ICX7150-C12P-2X10GR-A	RUCKUS ICX 7150 Compact Switch, 12×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 2×10 GbE SFP+ stacking/uplink-ports, 124 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA-compliant.
ICX7150-C10ZP-2X10GR-A	RUCKUS ICX 7150 Compact Switch, 2x 100/1000/2.5/5/10G PoH ports, 2x 100/1000/2.5G PoH ports, 6x 100/1000/2.5G PoE+ ports, 2x 10G SFP+ stacking/uplink-ports, 240W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), TAA compliant.
ICX7150-24-4X10GR-A	RUCKUS ICX 7150 Switch, 24×10/100/1000 Mbps ports, 2×1 GbE RJ45 uplink-ports, 4×10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA-compliant.
ICX7150-24P-4X10GR-A	RUCKUS ICX 7150 Switch, 24×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 4×10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA-compliant.
ICX7150-48-4X10GR-A	RUCKUS ICX 7150 Switch, 48×10/100/1000 Mbps ports, 2×1 GbE RJ45 uplink-ports, 4×10 GbE SFP+ stacking/uplink-ports, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA-compliant.
ICX7150-48P-4X10GR-A	RUCKUS ICX 7150 Switch, 48×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 4×10 GbE SFP+ stacking/uplink-ports, 370 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA-compliant.
ICX7150-48PF-4X10GR-A	RUCKUS ICX 7150 Switch, 48×10/100/1000 Mbps PoE+ ports, 2×1 GbE RJ45 uplink-ports, 4×10 GbE SFP+ stacking/uplink-ports, 740 W PoE budget, Layer 3 features (OSPF, VRRP, PIM, PBR), TAA-compliant.
ICX7150-48ZP-E8X10GR2-A	RUCKUS ICX 7150 Z-Series switch, 16×100/1000 Mbps/2.5 Gbps PoH ports, 32x10/100/1000 PoE+ ports, 8×10 GbE SFP+ stacking/uplink-ports (max 4 for stacking), 2x920 W AC power supply, 2 fans, 1480 W PoE budget, L3 features (OSPF, VRRP, PIM, PBR). TAA compliant.

RUCKUS ICX 7150 Ordering Information (continued)

Part Number	**Upgrade Licenses** All RUCKUS ICX 7150 switch models with 1 GbE SFP uplink ports can be upgraded to 10 GbE SFP+ ports with a license.
BR-ICX-7150C-21U210R-P-01	License to upgrade the RUCKUS ICX 7150 12 ports compact switches from 2×1 GbE SFP to 2×10 GbE SFP+ stacking/uplink-ports. Also includes Layer 3 features (OSPF, VRRP, PIM, PBR).
BR-ICX-7150-41U210-P-01	License to upgrade any RUCKUS ICX 7150 24/48 ports except the Z-Series from 4×1 GbE SFP to 2×1 GbE SFP and 2×10 GbE SFP+ stacking/uplink-ports.
BR-ICX-7150-41U410R-P-01	License to upgrade any RUCKUS ICX 7150 24/48 ports except the Z-Series from 4×1 GbE SFP to 4×10 GbE SFP+ stacking/uplink-ports. Also includes Layer 3 features (OSPF, VRRP, PIM, PBR).
BR-ICX-7150-210U410R-P-01	License to upgrade any RUCKUS ICX 7150 24/48 ports except the Z-Series from 2×1 GbE SFP and 2×10 GbE SFP+ to 4×10 GbE SFP+ stacking/uplink-ports. Also includes Layer 3 features (OSPF, VRRP, PIM, PBR).
BR-ICX-7150Z210U810R-P-01	License to upgrade ICX 7150 Z-Series model from 6x1 GbE SFP and 2x10 GbE SFP+ to 8x10 GbE SFP+ stacking/uplink-ports (max 4 for stacking). Also includes L3 features (OSPF, VRRP, PIM, PBR).

Part Number	FRUs and Accessories
RPS20-E	RUCKUS ICX 7150-48ZP 920 W AC hot-swap PoE power supply, front to back airflow (up to 2 per switch). Only applicable to the Z-Series
ICX-FAN11	RUCKUS ICX 7150-48ZP hot-swap fan tray (up to 2 per switch). Only applicable to the Z-Series
ICX6400-C12-MGNT	Magnet Mount Kit for RUCKUS ICX 7150/6450/6430 12 Port Compact Switches
CC-RJ45-DB9	Console cable RJ45-RJ45 with RJ-45-DB9 Adapter (for RJ-45 console port on ICX 7150)
CC-USBC-USBA	USB 2.0 Cable, Type-C to Type-A, 1 meter (for USB Type-C console port on ICX 7150)
ICX7000-C12-RMK	ICX7150-C12P & ICX7150-C08P & ICX7150-C08PT Compact Switch Rack Mount Kit
ICX7000-C10ZP-RMK	ICX7150-C10ZP Compact Switch Rack Mount Kit
ICX7000-C12-WMK	ICX7150-C12P & ICX7150-C08P & ICX7150-C08PT & ICX7150-C10ZP Compact Switch Wall Mount & Under Desk Mount Kit
XBR-R000295	Universal Rack Mount Kit, 4 post FRU
ICX7000-RMK	Rack Mount Kit, 2-post FRU for ICX 7000 series 24/48 port models
RMK-LRM-ADP	Rack Mount Kit for LRM adapters. This 1RU shelf can accommodate up to 8 LRM adapters.
ICX-ADP-PLT	ICX Compact Switch Adapter Plate
ICX-DIN-MNT	ICX Compact Switch DIN Rail Mount Kit

RUCKUS ICX 7150 Ordering Information (continued)

OPTICS	
See Optics Datasheet at www.commscope.com/ruckus	RUCKUS offers a unique set of high-performance, reliable, and cost-effective optical transceivers to help enterprises and service providers meet the challenges of diverse network topologies. To ensure maximum quality, RUCKUS selects and tests the most reliable, highest-performing optical transceivers on the market, and then warrants their availability, capacity, and performance in RUCKUS® product." for a the specific list of optics supported by each ICX product see the Optics Datasheet at www.commscope.com/ruckus.

MANAGEMENT SOFTWARE	
RUCKUS SmartZone	SmartZone network controllers simplify network setup and management, enhance security, minimize troubleshooting and ease upgrades for networks built on RUCKUS switches and access points. Whether you're building complex multi-geo networks or delivering multi-tier managed networking services, SmartZone network controllers deliver the scale, flexibility and openness to support the most sophisticated deployment scenarios.
RUCKUS Cloud	RUCKUS Cloud takes the complexity of deploying and managing a distributed network out. It enables faster response to organizational needs while also reducing IT overhead. RUCKUS Cloud eliminates the need to deploy on-premises controllers and management software, moving network management to the cloud. Your multi-site network can be centrally managed through a single pane of glass web-based UI and full-featured mobile app.
RUCKUS Unleashed	Unleashed is a simple-to-setup, easy-to-run management solution in a package designed and priced for small businesses. With built-in controller functionality, there's no need to invest in a separate appliance for Wi-Fi control or in network management software. You can manage your entire network from your phone or web browser including all your APs and switches together.

Ordering Notes

All RUCKUS ICX 7150 switches come with an accessory kit that includes a rubber foot kit, power cord clip, rack mount kit (for 24/48 ports model), RJ-45 console cable and US AC power cord. Stacking cables, USB console cables, compact switch rack mount kit, and optics need to be ordered separately.

All RUCKUS ICX 7150 switch models with 1 GbE SFP uplink ports can be upgraded to 10 GbE SFP+ ports with a license except for the ICX 7150-C08P.

Standard RUCKUS ICX 7150 1 RU Switch models can be ordered configured with either 4×1 GbE SFP, 2×1 GbE SFP, and 2×10 GbE SFP+, or 4×10 GbE SFP+ uplinks.

The RUCKUS ICX7150-C12P compact switch can be ordered configured with either 2×1 GbE SFP or 2×10 GbE SFP+ uplinks.

The RUCKUS ICX7150-48ZP switch can be ordered configured with 2×10 GbE SFP+ uplinks and 6×1 GbE SFP, or 8×10 GbE SFP+ uplinks.

Upgrade licenses are available to upgrade standard RUCKUS ICX 7150 1 RU switches to either 2×1 GbE SFP and 2×10 GbE SFP+ or to 4×10 GbE SFP+, the RUCKUS ICX 7150 compact switch to 2×10 GbE SFP+, and the RUCKUS ICX7150-48ZP switch to 8×10 GbE SFP+.

RUCKUS ICX 7150 Switches with 4×10 GbE SFP+ and 8×10 GbE SFP+ (2×10 GbE SFP+ for the compact switch) include a license to enable Layer 3 features (OSPF, VRRP, PIM, PBR).

Special SKUs have been created to enable customers to order specific RUCKUS ICX 7150 models with three-year remote support included. Please note that additional years of remote support can always be ordered separately to cover any RUCKUS ICX 7150 model. Contact CommScope or channel partner representative for details about CommScope support options and support part numbers.

For your convenience, a fully loaded ICX 7150-48ZP model with dual power supplies and 8×10 GbE ports bundle has been created.It comes with factory installed power supplies, fans and 8×10 GbE port licenses.

Warranty

RUCKUS ICX 7150 Switches are covered by the RUCKUS Assurance Limited Lifetime Warranty except for the ICX 7150-C08PT which is covered by a 13 month hardware warranty. For details, visit www.ruckusnetworks.com/warranty.

Best-in-Class Support

RUCKUS ICX 7150 switches are supported by next-business-day advance replacement where available, as well as software defect repairs and maintenance updates. 90 days remote support is included with the product purchase. Many on-site and remote support options are available and can be purchased bundled with the product or separately.

Legal Disclaimer

Product features, functionality and specifications may change or be discontinued without notice. Nothing in this document shall be deemed to create a warranty of any kind, either express or implied, statutory or otherwise, including but not limited to, any implied warranties of merchantability, fitness for a particular purpose, non-infringement of third-party rights or availability with respect to any products and services.

Refer to www.commscope.com/ruckus for the latest version of this document.

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RUCKUS®
COMMSCOPE

PA-114000.4 (08/22)

RUCKUS® ICX 8200

Enterprise-class stackable access switch with future-proof expandability

The RUCKUS ICX 8200 Switch series is purposely designed to handle next generation wireless first and IoT campus networks. These intelligent, scalable edge switches deliver enterprise-class functionality at an affordable price without compromising performance and reliability.

The RUCKUS ICX 8200 raises the bar with up to 8× 25 GbE ports for uplinks or stacking, PoE++ (802.3bt), VXLAN, advanced L2/L3 features and market-leading stacking density with up to 12 switches per stack. In addition, the RUCKUS ICX 8200 combines enterprise-class features, manageability, performance, and reliability with the flexibility, cost-effectiveness, and "pay as you grow" scalability of stackable solution.

Benefits

Maximum flexibility: Gigabit, Multigigabit edge ports and Fiber to the Room

- Optimized for latest generation Wi-Fi 6/6E/7 AP deployments with multigigabit ports.
- 8, 24 and 48 Gigabit Ethernet ports
- Up to 24x 1/2.5G Multigigabit RJ45 ports
- Up to 4× 1/2.5/5/10 Gbps Multigigabit RJ-45 ports
- Up to 48x 1G SFP fiber ports
- Up to 24x 10G SFP+ fiber ports

Power next generation APs and PoE devices

- PoE+ 802.3at, 30W per port on all ports
- PoE++ 802.3bt, 60/90W on multigigabit ports
- Up to 1480W PoE budget with two power supplies

25 GbE uplinks/stacking for maximum performance and future-proofing

- Stacking comes standard with all ICX 8200
- Up to 8x 1/10/25GbE SFP28 fiber ports for uplink and/or stacking

Enhanced Security and data privacy

- VXLAN* support for advanced network segmentation and data confidentiality

Advanced L3 routing delivers network design flexibility

- IPv4 and IPv6 L3 routing
- Static routes, RIP, OSPF, VRRP, VRF, GRE, PIM, PBR

Broad range of unified management options for maximum flexibility

- On Premises: SmartZone
- Cloud Based: RUCKUS Cloud*
- Controllerless: RUCKUS Unleashed*
- RUCKUS Analytics

Enhanced availability

- Redundant, load-sharing power supplies and fans on specific models

Services and Support Included

- 3 Years remote TAC support included with every ICX 8200 model
- Limited lifetime warranty

* Available in a future software release

RUCKUS ICX 8200 with RJ45 Copper ports and fixed power supply and fans

These stackable RUCKUS ICX 8200 models offer a single integrated power supply, one RJ-45 Ethernet port for out-of-band network management, one USB Type-C port for console management, one RJ-45 port for serial console management, and one USB port for external file storage.

	**ICX 8200-24** • 24× 10/100/1000 Mbps RJ-45 ports • 4× 1/10/25 GbE uplink/stacking SFP28 ports
	**ICX 8200-24P PoE** • 24× 10/100/1000 Mbps RJ-45 PoE+ ports • 4× 1/10/25 GbE uplink/stacking SFP28 ports • 370 W PoE budget. PoE+ 802.3at
	**ICX 8200-24ZP Multigigabit PoE** • 24× 100/1000/2500 Mbps RJ-45 PoE++ 90W ports • 4× 1/10/25 GbE uplink/stacking SFP28 ports • 740 W PoE budget.
	**ICX 8200-48** • 48× 10/100/1000 Mbps RJ-45 ports • 4× 1/10/25 GbE uplink/stacking SFP28 ports
	**ICX 8200-48P PoE** • 48× 10/100/1000 Mbps RJ-45 PoE+ ports • 4× 1/10/25 GbE uplink/stacking SFP28 ports • 370 W PoE budget. PoE+ 802.3at
	**ICX 8200-48PF PoE** • 48× 10/100/1000 Mbps RJ-45 PoE+ ports • 4× 1/10/25 GbE uplink/stacking SFP28 ports • 740 W PoE budget. PoE+ 802.3at

RUCKUS ICX 8200 with hot-swap power supplies and fans

These stackable RUCKUS ICX 8200 models offers 2 slots for redundant hot swappable load sharing power supplies, 2 slots for hot swappable fans, one RJ-45 Ethernet port for out-of-band network management, one USB Type-C port for console management, one RJ-45 port for serial console management, and one USB port for external file storage.

	**ICX 8200-48PF2 PoE** • 48× 10/100/1000 Mbps RJ-45 PoE+ ports • 4× 1/10/25 GbE uplink/stacking SFP28 ports • 1440 W PoE budget with two PSUs (740W with one PSU) • Dual hot swappable power supplies and fans
	**ICX 8200-48ZP2 Multigigabit PoE** • 32× 10/100/1000 Mbps RJ-45 PoE+ ports • 16× 100/1000/2500 Mbps RJ-45 PoE++ 90W ports • 4× 1/10/25 GbE uplink/stacking SFP28 ports • 1480 W PoE budget with two PSUs (740W with one PSU) • Dual hot swappable power supplies and fans

RUCKUS ICX 8200 Compact

These RUCKUS ICX 8200 compact switches offer a single integrated power supply, one USB Type-C port for console management, one RJ-45 Ethernet port for out-of-band network management, one RJ-45 port for serial console management, and one USB port for external file storage.

	**ICX 8200-C08PF PoE** • 8× 10/100/1000 Mbps RJ-45 PoE+ ports • 2× 1/10GbE uplink/stacking SFP+ ports • 124 W PoE budget PoE+ 802.3at
	**ICX 8200-C08ZP Multigigabit PoE** • 4× 100/1000/2500 Mbps RJ-45 PoE++ 90W ports • 4× 1/2.5/5/10 Gbps RJ-45 PoE++ 90W ports • 2× 1/10/25 GbE uplink/stacking SFP28 ports • 240 W PoE budget

RUCKUS ICX 8200 Fiber

These stackable RUCKUS ICX 8200 models offer a single integrated power supply, one RJ-45 Ethernet port for out-of-band network management, one USB Type-C port for console management, one RJ-45 port for serial console management, and one USB port for external file storage

	**ICX 8200-24F Fiber** • 24× 1GbE SFP ports • 4× 1/10/25 GbE uplink/stacking SFP28 ports
	**ICX 8200-48F Fiber** • 48× 1GbE SFP ports • 4× 1/10/25 GbE uplink/stacking SFP28 ports
	**ICX 8200-24FX 10G Fiber** • 16× 1/10GbE SFP+ ports • 8× 1/10/25 GbE uplink/stacking SFP28 ports

RUCKUS ICX 8200 Feature/Model Comparison

	Gigabit Compact	Gigabit Non-PoE		Gigabit PoE			
	RUCKUS ICX 8200-C08PF	RUCKUS ICX 8200-24	RUCKUS ICX 8200-48	RUCKUS ICX 8200-24P	RUCKUS ICX 8200-48P	RUCKUS ICX 8200-48PF	RUCKUS ICX 8200-48PF2
Feature							
Switching capacity (data rate, full duplex)	56 Gbps	248 Gbps	296 Gbps	248 Gbps	296 Gbps	296 Gbps	296 Gbps
Forwarding capacity (data rate, full duplex)	42 Mpps	184 Mpps	220 Mpps	184 Mpps	220 Mpps	220 Mpps	220 Mpps
10/100/1000 Mbps RJ45	8	24	48	24	48	48	48
100/1000 Mbps SFP uplinks							
1/10 Gbps SFP/SFP+ uplinks	2						
1/10/25 Gbps SFP/SFP+/SFP28 uplinks		4	4	4	4	4	4
PoE/PoE+ 802.3at ports	8			24	48	48	48
Dual hot-swap power supplies and fan modules							Yes
Max PoE Class 3 ports (15.4 W per port)	8			24	48	48	48
Max PoE+ Class 4 ports (30 W per port)	4			12	12	24	48 (2 PSU)
Energy Efficient Ethernet (802.3az)	Yes						
Base IPv4/v6 Layer 3 routing (static routing, RIP)	Yes						
Advanced IPv4/v6 Layer 3 (OSPF, VRRP, VRF, GRE, PIM, PBR)	With License						
Aggregated stacking bandwidth (data rate, full duplex)	240 Gbps	1.2 Tbps					
Stacking density (maximum switches in a stack)	12						
Stacking ports (maximum ports usable for stacking)	Up to 2×10 GbE SFP+	Up to 4×25 GbE SFP28					
Maximum stacking distance (distance between stacked switches)	10 km						

RUCKUS ICX 8200 Feature/Model Comparison

	Gigabit Compact	Gigabit Non-PoE		Gigabit PoE			
	RUCKUS ICX 8200-C08PF	RUCKUS ICX 8200-24	RUCKUS ICX 8200-48	RUCKUS ICX 8200-24P	RUCKUS ICX 8200-48P	RUCKUS ICX 8200-48PF	RUCKUS ICX 8200-48PF2
Features	**POWER**						
Power inlet (AC)	C14						
Input voltage/frequency	AC: 100 to 240 VAC @ 50 to 60 Hz						
Power Supply Hold Time	10ms	10ms	10ms	20ms	20ms	10ms	10ms
Power supply rated max (AC)	240 W	65 W	100 W	525 W	525 W	880 W	920W x 2
PoE power budget (AC)	124 W			370 W	370 W	740 W	740W (1 PSU) 1440W (2 PSU)
Switch power usage (25°C) *10% traffic* (no PoE load)* *100% traffic** (full PoE load)*	18 W 150 W	31 W 38 W	47 W 54 W	36 W 445 W	49 W 451 W	51W 854 W	86 W 1667 W
Airflow	Fanless	Fanless Mode.*** Front and side to back		Fanless Mode.*** Front and side to back			Front to Back
Switch power dissipation (25°C) *10% traffic* (no PoE load)* *100% traffic** (full PoE load)*	61 BTU/hr 514 BTU/hr	106 BTU/hr 132 BTU/hr	160 BTU/hr. 184 BTU/hr	124 BTU/hr 256 BTU/hr	167 BTU/hr 276 BTU/hr	174 BTU/hr 389 BTU/hr	294 BTU/hr 775 BTU/hr
Features							
Net Weight	2.27 kg 5.00 lb	3.74 kg 8.24 lb	4.96 kg 10.93 lb	4.34 kg 9.57 lb	5.57 kg 12.28 lb	5.51kg 12.15 lb	6.39 kg 14.08 lb
Dimensions *Height*	4.40 cm 1.73 Inches	4.40 cm 1.73 Inches	4.40 cm 1.73 inches	4.40 cm 1.73 inches	4.40 cm 1.73 inches	4.40 cm 1.73 inches	4.40 cm 1.73 inches
Width	27.00 cm 10.63 inches	44.00 cm 17.32 inches	44.00 cm 17.32 inches	44.00 cm 17.32 inches	44.00 cm 17.32 inches	44.00 cm 17.32 inches	44.00 cm 17.32 inches
Depth	21.40 cm 8.42 inches	28.00 cm 11.02 inches	37.00 cm 14.57 inches	28.00 cm 11.02 inches	37.00 cm 14.57 inches	37.00 cm 14.57 inches	37.00 cm 14.57 inches
Acoustics (25°C, min fan speed)	Fanless	40.0 dBA	40.0 dBA	41.0 dBA	41.0 dBA	41.0 dBA	51.0 dBA
MTBF (25°C)	2,007,096hr	1,543,328hr	1,136,723hr	1,550,360hr	1,297,288hr	1,070,987hr	561,966hr
Features	**MANAGEMENT PORTS**						
USB Type-C port *(For console management)*	Yes						
RJ45 serial port *(For serial console management)*	Yes						
USB Type-A port *(For external file storage)*	Yes						
RJ45 Ethernet port *(For out of band network management)*	Yes						

* All downlink ports, stacking ports, and uplink ports are linked up with 10% traffic rate. No PoE load on PoE models. Fans are at nominal speed.

** All downlink ports, stacking ports, and uplink ports are linked up with 100% traffic rate. 100% PoE load on PoE models. Fans are at high speed.

*** In Fanless Mode, 25GbE ports are restricted to 10GbE max speed and PoE budget is restricted to 150W max per switch.

RUCKUS ICX 8200 Feature/Model Comparison

	Multigigabit Ethernet PoE++			Fiber Ethernet		
	RUCKUS ICX 8200-C08ZP	RUCKUS ICX 8200-24ZP	RUCKUS ICX 8200-48ZP2	RUCKUS ICX 8200-24F	RUCKUS ICX 8200-24FX	RUCKUS ICX 8200-48F
Features						
Switching capacity *(data rate, full duplex)*	200 Gbps	320 Gbps	344 Gbps	248 Gbps	720 Gbps	296 Gbps
Forwarding capacity *(data rate, full duplex)*	148 Mpps	237 Mpps	254 Mpps	184 Mpps	533 Mpps	219 Mpps
10/100/1000 Mbps RJ45			32			
100/1000 Mbps/2.5 Gbps RJ45 downlinks *(full duplex only)*	4	24	16			
100Mbps/1/2.5/5/10 Gbps RJ45 downlinks	4					
100/1000 Mbps SFP				24		48
1/10 Gbps SFP+					16	
1/10/25 Gbps SFP/SFP+/SFP28 uplinks	2	4	4	4	8	4
PoE/PoE+ 802.3at ports			32			
PoH / PoE / PoE+ / PoE++ 802.3bt ports	8	24	16			
Dual hot-swap power supplies and fan modules			Yes			
Maximum PoE Class 3 ports *(15.4 W per port)*	8	24	48			
Maximum PoE+ Class 4 ports *(30 W per port)*	8	24	24 (1 PSU) 48 (2 PSU)			
Maximum PoE++ Class 6 ports *(60 W per port)*	4	12	12 (1PSU) 16 (2 PSU)			
Maximum PoE++ Class 8 Ports *(90 W per port)*	2	8	8(1PSU) 16 (2PSU			
Energy Efficient Ethernet (802.3az)	Yes					
Base IPv4/v6 Layer 3 routing *(static routing, RIP)*	Yes					
Advanced IPv4/v6 Layer 3 routing *(OSPF, VRRP, VRF, GRE, PIM, PBR)*	With License					
Aggregated stacking bandwidth *(data rate, full duplex)*	600 Gbps	1.2 Tbps				
Stacking density *(maximum switches in a stack)*	12					
Stacking ports *(maximum ports usable for stacking)*	Up to 2×25 GbE SFP28	Up to 4×25 GbE SFP28				
Maximum stacking distance *(distance between stacked switches)*	10 km					

RUCKUS ICX 8200 Feature/Model Comparison

	Multigigabit Ethernet PoE++			Fiber Ethernet		
	RUCKUS ICX 8200-C08ZP	RUCKUS ICX 8200-24ZP	RUCKUS ICX 8200-48ZP2	RUCKUS ICX 8200-24F	RUCKUS ICX 8200-24FX	RUCKUS ICX 8200-48F
Features	**POWER**					
Power inlet (AC)	C14					
Input voltage/frequency	AC: 100 to 240 VAC @ 50 to 60 Hz					
Power supply hold time	20ms	10ms	10ms	10ms	10ms	10ms
Power supply rated max (AC)	305W	950W	920W x 2	100W	150W	180W
PoE power budget (AC)	240W	740W	740W (1 PSU) 1480W (2 PSU)			
Switch power usage (25°C) *10% traffic* (no PoE load)* *100% traffic** (full PoE load)*	 41W 300W	 69W 920W	 90W 1839W	 65W 78W	 82W 93W	 106W 118W
Airflow	Fanless	Front to side & back		Front to side & back		
Switch power dissipation (25°C) *10% traffic* (no PoE load)* *100% traffic** (full PoE load)*	 140 BTU/hr. 1023 BTU/hr.	 235 BTU/hr. 3139 BTU/hr.	 305 BTU/hr. 6275 BTU/hr.	 223 BTU/hr. 264 BTU/hr.	 279 BTU/hr. 316 BTU/hr.	 362 BTU/hr. 402 BTU/hr.
Features						
Net Weight	3.23 Kg	5.22 Kg	6.64 Kg (2 PSUs)	3.77 Kg	3.81 Kg	4.30 Kg
Dimensions						
Height	4.40 cm 1.73 Inches	4.40 cm 1.73 inches	4.40 cm 1.73 inches	4.40 cm 1.73 inches	4.40 cm 1.73 inches	4.40 cm 1.73 inches
Width	27.00 cm 10.63 inches	44.00 cm 17.32 inches	44.00 cm 17.32 inches	44.00 cm 17.32 inches	44.00 cm 17.32 inches	44.00 cm 17.32 inches
Depth	26.00 cm 10.24 inches	28.00 cm 11.02 inches	37.00 cm 14.57 inches	28.00 cm 11.02 inches	28.00 cm 11.02 inches	28.00 cm 11.02 inches
Acoustics (25°C, min fan speed)	Fanless	41.0 dBA	51.0 dBA	41.0 dBA	41.0 dBA	41.0 dBA
MTBF (25°C)	539,091hr	936,765hr	536,710hr	1,190,512hr	890,716hr	1,699,974hr
Features						
USB Type-C port *(For console management)*	Yes					
RJ45 serial port *(For serial console management)*	Yes					
USB Type-A port *(For external file storage)*	Yes					
RJ45 Ethernet port *(For out of band network management)*	Yes					

* All downlink ports, stacking ports, and uplink ports are linked up with 10% traffic rate. No PoE load on PoE models. Fans are at nominal speed.

** All downlink ports, stacking ports, and uplink ports are linked up with 100% traffic rate. 100% PoE load on PoE models. Fans are at high speed.

RUCKUS ICX 8200 Specifications

Features	SPECIFICATIONS	
Connector options	• 10/100/1000 Mbps RJ-45 • 1/2.5 Gbps RJ-45 • 1/2.5/5/10 Gbps RJ-45 • 1 Gbps SFP ports • 1/10 Gbps SFP+ ports • 1/10/25 Gbps SFP28 ports	• Out-of-band Ethernet management: 10/100/1000 Mbps RJ-45 • Console management: RJ45 serial port and USB Type-C port with serial communication device class support • File transfer: USB port, standard-A plug For the latest information about supported optics, please visit www.commscope.com/ruckus.
DRAM **NVRAM (eMMC)** **Packet buffer size**	• 4 GB • 8 GB • 4 MB	
Maximum MAC addresses	• 32K	
Maximum VLANs **Maximum PVLANs**	• 4,095 • 32	
Maximum STP (spanning trees instances)	• 253	
Maximum VEs	• 512	
Maximum ARP entries	• 8192	
Maximum routes (in hardware)	• 16k IPv4, 4k IPv6 • Next hop address: 8k	
Trunking	• Maximum ports per LAG : 8 • Maximum Link Aggregation Groups : 128	
Maximum jumbo frame size	• 9,216 bytes	
QoS priority queues	• 8 per port	
Multicast groups	• 4096 (Layer2 IGMP) 512 (Layer2 MLD) • 4096 (IPv4 PIM) 512 (IPv6 PIM)	
Quality of Service (QoS	• ACL Mapping and Marking of ToS/DSCP (CoS) • ACL Mapping and Marking of 802.1p • ACL Mapping to Priority Queue • Classifying and Limiting Flows Based on TCP Flags • DiffServ Support	• Honoring DSCP and 802.1p (CoS) • MAC Address Mapping to Priority Queue • Priority Queue Management using Weighted Round Robin • (WRR), Strict Priority (SP), and a combination of WRR and SP
Traffic management	• ACL-based inbound rate limiting and traffic policies • Broadcast, multicast, and unknown unicast rate limiting • Inbound rate limiting per port • Outbound rate limiting per port and per queue	
Security	• 802.1X authentication • MAC authentication • Flexible authentication • Web authentication • DHCP snooping • Dynamic ARP inspection • Neighbor Discovery (ND) Inspection • Bi-level Access Mode (Standard and EXEC Level) • EAP pass-through support • IEEE 802.1X username export in sFlow • Protection against Denial of Service (DoS) attacks • Authentication, Authorization, and Accounting (AAA)	• MAC Address Locking MAC Port Security • Advanced Encryption Standard (AES) with SSHv2 • RADIUS/TACACS/TACACS+ • Secure Copy (SCP) • Secure Shell (SSHv2) • Protected Ports • Local Username/Password • Change of Authorization (CoA) RFC 5176 • Trusted Platform Module • RADSEC (RFC 6614) • Encrypted Syslog (RFC 5425
SDN features	• OpenFlow1 v1.0 and v1.3 • Operates with OpenDayLight Controller • OpenFlow hybrid port mode (Supports both OpenFlow traffic forwarding and regular traffic forwarding on the same port)	

RUCKUS ICX 8200 Specifications

Features	SPECIFICATIONS	
High availability	• Layer 3 VRRP/VRRP-E protocol redundancy • Real-time state synchronization across the stack • Hitless failover and switchover from master to standby stack controller • Hot insertion and removal of stacked units • Layer 2 VSRP switch redundancy • In Service Software Update (ISSU	
Layer 2 feature set	• 802.1s Multiple Spanning Tree • 802.1x Authentication • Auto MDI/MDIX • BPDU Guard, Root Guard • Dual-Mode VLANs • MAC-based VLANs, Dynamic MAC-based VLAN activation • Dynamic VLAN Assignment • Dynamic Voice VLAN Assignment • Fast Port Span • GVRP : GARP VLAN Registration Protocol • IGMP Snooping (v1/v2/v3) • IGMP Proxy for Static Groups • IGMP v2/v3 Fast Leave • Inter-Packet Gap (IPG) adjustment • Link Fault Signaling (LFS) • MAC Address Filtering • MAC Learning Disable	• MLD Snooping (v1/v2) • Multi-device Authentication • Per-VLAN Spanning Tree (PVST/PVST+/PRST) • Mirroring: Port-based, ACL-based, MAC Filter-based, and VLAN-based • PIM-SM v2 Snooping • Port Loop Detection • Private VLAN • Remote Fault Notification (RFN) • Single-instance Spanning Tree • Trunk Groups (static, LACP) • Uni-Directional Link Detection (UDLD) • Metro-Ring Protocol (MRP) (v1, v2) • Virtual Switch Redundancy Protocol (VSRP) • Q-in-Q and selective Q-in-Q • VLAN Mapping • Topology Groups
Base Layer 3 IP routing feature set	• IPv4 and IPv6 static routes • RIP v1/v2, RIPng • ECMP • Port-based Access Control Lists • Layer 3/Layer 4 ACLs	• Host routes • Virtual Interfaces • Routed Interfaces • Route-only Support • Routing Between Directly Connected Subnets
Premium Layer 3 IP routing feature set with software license	• IPv4 and IPv6 dynamic routes • OSPF v2, v3 • PIM-SM, PIM-SSM, PIM-DM, PIM passive (IPv4, IPv6) • PBR	• Virtual Route Redundancy Protocol VRRP (IPv4) • VRRP v3 (IPv6) • VRRP-E(IPv4/IPv6) • VRF (IPv4 and IPv6 • GRE

Features	STANDARD COMPLIANCE	
IEEE standards compliance	• 802.1AB LLDP/ LLDP-MED • 802.1D MAC Bridging • 802.1p Mapping to Priority Queue • 802.1s Multiple Spanning Tree (MST) • 802.1w Rapid Reconfiguration of Spanning Tree (RSTP) • 802.1x Port-based Network Access Control (PNAC) • 802.3 Carrier Sense Multiple Access/Collision Detection • (CSMA/CD) • 802.3ab 1000BASE-T • 802.3 10Base-T • 802.3ad Link Aggregation (Dynamic and Static) • 802.1 AX-2008 Link Aggregation	• 802.3ae 10 Gigabit Ethernet • 802.3af Power over Ethernet • 802.3at Power over Ethernet Plus • 802.3bz Multigigabit Ethernet • 802.3u 100Base-TX • 802.3x Flow Control • 802.3z 1000Base-SX/LX • 802.3 MAU MIB (RFC 2239) • 802.1Q VLAN Tagging • 802.1BR Bridge Port Extension • 802.3az Energy Efficient Ethernet • 802.3bt PoE++
RFC standards compliance	For a complete list of RFCs supported by the ICX 8200 product family, please visit www.commscope.com/ruckus.	

RUCKUS ICX 8200 Specifications

Features	FEATURE SETS	
Management	• DHCP Auto-Configuration • Configuration Logging • Digital Optical Monitoring • Display Log Messages on Multiple Terminals • Embedded Web Management (HTTP/HTTPS) • Embedded DHCP Server • Industry-standard Command Line Interface (CLI) • RUCKUS SmartZone, RUCKUS Cloud*, RUCKUS Unleashed* • CLI activation of optional software features • USB file management and storage • Macro for batch execution • Out-of-band Ethernet Management • RSPAN • TFTP • TELNET Client and Server • SSH / SSH V2	• Bootp • SNMPv1/v2c • DHCP Server and DHCP Relay • SNMPv3 Intro to Framework • Architecture for Describing SNMP Framework • SNMP Message Processing and Dispatching • SNMPv3 Applications • SNMPv3 User-based Security Model • SNMP View-based Access Control Model SNMP • sFlow • Network Time Protocol (NTP) • Multiple Syslog Servers • SCP • Virtual Cable Tester (VCT) • From management MIB, please see the ICX technical documentation at www.commscope.com/ruckus

Features	ENVIRONMENT
Ambient Temperature	• Operational: 0°C to 45°C (32°F to 113°F) at sea level • Non-operational: 40°C to 70°C (-40°F to 158°F)
Relative Humidity (non-condensing)	• Operational: 10% to 90% at 50°C (122°F) • Non-operational: 10% to 90% at 70°C (158°F)
Altitude (above sea level)	• Operational 0 to 3,048 m (10,000 ft) • Non-operational: 0 to 12,000 m (39,370 ft)

Features	COMPLIANCE/CERTIFICATION
Electromagnetic emissions	• FCC Part 15, Subpart B (Class A) • EN 55032 (CE mark) (Class A) • EN 55035 (CE mark) (Immunity) for Information Technology Equipment • EN 55024 (CE mark) (Immunity) for Information Technology Equipment • ICES-003 (Canada) (Class A) • AS/NZ 55032 (Australia/New Zealand) (Class A) • VCCI (Japan) (Class A) • EN 300 386 • CNS 15936-1 (BSMI) (Taiwan) (Class A) • KN 32 (South Korea) (Class A) • KN 35 (South Korea) (Class A) • TCVN 7189 / TCVN 7317 (Vietnam) (Class A) • EN 61000-3-2 • EN 61000-3-3
Safety	• CAN/CSA-C22.2 No. 62368-1/UL 62368-1 - Safety of Information Technology Equipment • EN 60825 Safety of Laser Products - Part 1: Equipment Classification, Requirements and User's Guide • EN 60950-1/IEC 60950-1/EN 62368-1/EC 62368-1 Safety of Information Technology Equipment • CNS 15598-1 (BSMI) (Taiwan)
Environmental regulatory compliance	• 2014/35/EU and 2014/30/EU • 2011/65/EU – Restriction of the use of certain hazardous substance in electrical and electronic equipment (EU RoHS) • 2012/19/EU – Waste electrical and electronic equipment (EU WEEE) • 94/62/EC – packaging and packaging waste (EU) • 2006/66/EC – batteries and accumulators and waste batteries and accumulators (EU battery directive) • 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (EU REACH) • Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010 – U.S. Conflict Minerals • 30/2011/TT-BCT – Vietnam circular • SJ/T 11363-2006 Requirements for Concentration Limits for Certain Hazardous Substances in EIPs (China) • SJ/T 11364-2006 Marking for the Control of Pollution Caused by EIPs (China) • CNS 15663 (BSMI) (Taiwan)
Vibration	• IEC 68-2-36, IEC 68-2-6
Shock and drop	• IEC 68-2-27, IEC 68-2-32
TAA (Trade Agreement Act)	• All ICX 8200 SKUs are TAA compliant

RUCKUS ICX 8200 Ordering Information

Part Number	RUCKUS ICX 8200 Switches with Three-Year Remote TAC support TAA-Compliant
ICX8200-C08PF	RUCKUS ICX 8200 Compact Switch, 8×10/100/1000 Mbps PoE+ ports, 2×10 GbE SFP+ stacking/uplink-ports, 124 W PoE budget, three-year remote TAC support. Power cord not included.
ICX8200-C08ZP	RUCKUS ICX 8200 Compact Switch, 4×100/1000/2500 Mbps PoE++ ports, 4× 1/2.5/5/10Gbps PoE++ ports, 2×25 GbE SFP28 stacking/uplink-ports, 240 W PoE budget, three-year remote TAC support. Power cord not included. Must use power cord with high temperature C15 connector.
ICX8200-24	RUCKUS ICX 8200 Switch, 24×10/100/1000 Mbps ports, 4×25 GbE SFP28 stacking/uplink-ports, three-year remote TAC support. Power cord not included.
ICX8200-24P	RUCKUS ICX 8200 Switch, 24×10/100/1000 Mbps PoE+ ports, 4×25 GbE SFP28 stacking/uplink-ports, 370 W PoE budget, three-year remote TAC support. Power cord not included.
ICX8200-24ZP	RUCKUS ICX 8200 Switch, 24×100/1000/2500 Mbps PoE++ ports, 4×25 GbE SFP28 stacking/uplink-ports, 740 W PoE budget, three-year remote TAC support. Power cord not included.
ICX8200-48	RUCKUS ICX 8200 Switch, 48×10/100/1000 Mbps ports, 4×25 GbE SFP28 stacking/uplink-ports, three-year remote TAC support. Power cord not included.
ICX8200-48P	RUCKUS ICX 8200 Switch, 48×10/100/1000 Mbps PoE+ ports, 4×25 GbE SFP28 stacking/uplink-ports, 370 W PoE budget, three-year remote TAC support. Power cord not included.
ICX8200-48PF	RUCKUS ICX 8200 Switch, 48×10/100/1000 Mbps PoE+ ports, 4×25 GbE SFP28 stacking/uplink-ports, 740 W PoE budget, three-year remote TAC support. Power cord not included.
ICX8200-48PF2-E	RUCKUS ICX 8200 Switch, 48×10/100/1000 Mbps PoE+ ports, 4×25 GbE SFP28 stacking/uplink-ports, 740 W PoE budget (with one PSU), hot swap power supplies and fans, one power supply and one fan included, three-year remote TAC support. Power cord not included.
ICX8200-48PF2-E2	RUCKUS ICX 8200 Switch, 48×10/100/1000 Mbps PoE+ ports, 4×25 GbE SFP28 stacking/uplink-ports, 1440 W PoE budget, hot swap power supplies and fans, two power supplies and two fans included, three-year remote TAC support. Power cords not included.
ICX8200-48ZP2-E	RUCKUS ICX 8200 Switch, 32×10/100/1000 Mbps PoE+ ports, 16×100/1000/2500 Mbps RJ-45 PoE++ ports, 4×25 GbE SFP28 stacking/uplink-ports, 740 W PoE budget (with one PSU), hot swap power supplies and fans, one power supply and one fan included, three-year remote TAC support. Power cord not included.
ICX8200-48ZP2-E2	RUCKUS ICX 8200 Switch, 32×10/100/1000 Mbps PoE+ ports, 16×100/1000/2500 Mbps RJ-45 PoE++ ports, 4×25 GbE SFP28 stacking/uplink-ports, 1480 W PoE budget, hot swap power supplies and fans, two power supplies and two fans included, three-year remote TAC support. Power cords not included.
ICX8200-24F	RUCKUS ICX 8200 Switch, 24×100/1000 Mbps SFP ports, 4×25 GbE SFP28 stacking/uplink-ports, three-year remote TAC support. Power cord not included.
ICX8200-48F	RUCKUS ICX 8200 Switch, 48×100/1000 Mbps SFP ports, 4×25 GbE SFP28 stacking/uplink-ports, three-year remote TAC support. Power cord not included.
ICX8200-24FX	RUCKUS ICX 8200 Switch, 16×1/10GbE SFP+ ports, 8×25 GbE SFP28 stacking/uplink-ports, three-year remote TAC support. Power cord not included.

Part Number	RUCKUS ICX 8200 Power Supplies, Fans and Accessories
ICX8200-PREM-LIC	ICX 8200 Layer 3 premium license. Enables advanced layer 3 features (OSPF, VRRP, PIM, PBR, VRF, GRE)
RPS23-E	Hot-swap 920 W AC PoE power supply, front to back airflow. Only applicable to the ICX8200 models with hot swap power supplies (up to 2 per switch) Power cord not included
ICX-FAN13-E	Hot-swap fan tray front to back airflow. Only applicable to the ICX8200 models with hot swap fans (up to 2 per switch)
XBR-R000295	1U, 1.5U, and 2U Universal Kit for Four-Post Racks
ICX7000-RMK	Two-post fixed rack mount kit
ICX7000-C12-RMK	Rack mount kit for compact switches
ICX7000-C12-WMK	Wall Mount Bracket Kit for compact switches
ICX-DIN-MNT	DIN rail mount kit
CC-USBC-USBA	USB 2.0 Cable, Type-C to Type-A, 1 meter (for USB Type-C console port)
CC-RJ45-DB9	Console cable RJ45-RJ45 with RJ-45-DB9 Adapter (for RJ-45 console port)

RUCKUS ICX 8200 Ordering Information

Part Number	Power Cords for All ICX 8200 models except the ICX 8200-C08ZP
PCUSA2	C13 POWER CORD for USA, NEMA5-15/C13, 13A, 125V
PCEURO	C13 Power Cord for Europe
PCAUS	C13 POWER CORD FOR AUSTRALIA
PCCHINA2-IEC309	C13 Power Cord for China, 250V 10A
PCINDIA	C13 6 FOOT AC POWER CORD FOR INDIA
PCJAPAN	C13 Power Cord for Japan version
PCSWISS-C1312G-HF	C13 POWER CORD for Switzerland, SEV1011 TO C13, 10A, 250V, HALOGEN-FREE
PCUK	C13 Power Cord for United Kingdom
PC-C13C14	C13/C14 15A Power Cord

* Check RUCKUS accessory guide for high temperature C15 power cords SKUs for the ICX 8200 C08ZP

Warranty

RUCKUS ICX 8200 Switches are covered by the RUCKUS Assurance Limited Lifetime Warranty. For details, visit www.ruckusnetworks.com/warranty.

Best-in-Class Support

RUCKUS ICX 8200 switches are supported by next-business-day advance replacement where available, as well as software defect repairs and maintenance updates. 3 years remote TAC support is included with the product purchase (extends to 39 months from the original ship date). Many on-site and TAC support options are available and can be purchased bundled with the product or separately.

Legal Disclaimer

Product features, functionality and specifications may change or be discontinued without notice. Nothing in this document shall be deemed to create a warranty of any kind, either express or implied, statutory or otherwise, including but not limited to, any implied warranties of merchantability, fitness for a particular purpose, non-infringement of third-party rights or availability with respect to any products and services.

Refer to www.commscope.com/ruckus for the latest version of this document.

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About RUCKUS Networks

RUCKUS Networks builds and delivers purpose-driven networks that perform in the demanding environments of the industries we serve. Together with our network of trusted go-to-market partners, we empower our customers to deliver exceptional experiences to the guests, students, residents, citizens and employees who count on them.

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