

RUCKUS ICX 8200 Switch

Technical Specifications

Copyright, Trademark and Proprietary Rights Information

© 2024 CommScope, Inc. All rights reserved.

No part of this content may be reproduced in any form or by any means or used to make any derivative work (such as translation, transformation, or adaptation) without written permission from CommScope, Inc. and/or its affiliates ("CommScope"). CommScope reserves the right to revise or change this content from time to time without obligation on the part of CommScope to provide notification of such revision or change.

Export Restrictions

These products and associated technical data (in print or electronic form) may be subject to export control laws of the United States of America. It is your responsibility to determine the applicable regulations and to comply with them. The following notice is applicable for all products or technology subject to export control:

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

Disclaimer

THIS CONTENT AND ASSOCIATED PRODUCTS OR SERVICES ("MATERIALS"), ARE PROVIDED "AS IS" AND WITHOUT WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED. TO THE FULLEST EXTENT PERMISSIBLE PURSUANT TO APPLICABLE LAW, COMMSCOPE DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, FREEDOM FROM COMPUTER VIRUS, AND WARRANTIES ARISING FROM COURSE OF DEALING OR COURSE OF PERFORMANCE. CommScope does not represent or warrant that the functions described or contained in the Materials will be uninterrupted or error-free, that defects will be corrected, or are free of viruses or other harmful components. CommScope does not make any warranties or representations regarding the use of the Materials in terms of their completeness, correctness, accuracy, adequacy, usefulness, timeliness, reliability or otherwise. As a condition of your use of the Materials, you warrant to CommScope that you will not make use thereof for any purpose that is unlawful or prohibited by their associated terms of use.

Limitation of Liability

IN NO EVENT SHALL COMMSCOPE, COMMSCOPE AFFILIATES, OR THEIR OFFICERS, DIRECTORS, EMPLOYEES, AGENTS, SUPPLIERS, LICENSORS AND THIRD PARTY PARTNERS, BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, PUNITIVE, INCIDENTAL, EXEMPLARY OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER, EVEN IF COMMSCOPE HAS BEEN PREVIOUSLY ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, WHETHER IN AN ACTION UNDER CONTRACT, TORT, OR ANY OTHER THEORY ARISING FROM YOUR ACCESS TO, OR USE OF, THE MATERIALS. Because some jurisdictions do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of liability for consequential or incidental damages, some of the above limitations may not apply to you.

Trademarks

ARRIS, the ARRIS logo, COMMSCOPE, RUCKUS, RUCKUS WIRELESS, the Ruckus logo, the Big Dog design, BEAMFLEX, CHANNELFLY, FASTIRON, ICX, SMARTCELL and UNLEASHED are trademarks of CommScope, Inc. and/or its affiliates. Wi-Fi Alliance, Wi-Fi, the Wi-Fi logo, Wi-Fi Certified, the Wi-Fi CERTIFIED logo, Wi-Fi Protected Access, the Wi-Fi Protected Setup logo, Wi-Fi Protected Setup, Wi-Fi Multimedia and WPA2 and WMM are trademarks or registered trademarks of Wi-Fi Alliance. All other trademarks are the property of their respective owners.

Contents

RUCKUS ICX 8200 Specifications 5

 System Specifications 5

 Ethernet 6

 LEDs 6

 Other 7

 Weight and Physical Dimensions 7

 Environmental Requirements 8

 Power Supply Specifications (per PSU) 9

 Power Supply Hold-Up Times 9

 Power Consumption (Typical Configuration) 9

 Power Consumption (Maximum Configuration) 11

 Data Port Specifications (Ethernet) 12

 Serial Port Specifications (Pinout USB Type-C) 13

 Serial Port Specifications (Pinout RJ-45) 13

 Serial Port Specifications (Protocol) 14

 Memory Specifications 14

 Regulatory Compliance (EMC) 14

 Regulatory Compliance (Safety) 15

 Regulatory Compliance (Environmental) 15

RUCKUS ICX 8200 Specifications

- System Specifications 5
- Ethernet 6
- LEDs 6
- Other 7
- Weight and Physical Dimensions 7
- Environmental Requirements 8
- Power Supply Specifications (per PSU) 9
- Power Supply Hold-Up Times 9
- Power Consumption (Typical Configuration) 9
- Power Consumption (Maximum Configuration) 11
- Data Port Specifications (Ethernet) 12
- Serial Port Specifications (Pinout USB Type-C) 13
- Serial Port Specifications (Protocol) 14
- Memory Specifications 14
- Regulatory Compliance (EMC) 14
- Regulatory Compliance (Safety) 15
- Regulatory Compliance (Environmental) 15

System Specifications

TABLE 1 System Specifications

System Component	Description
Enclosure	Stackable up to 12 switches per stack, chassis-mountable (1U) in a standard 4-post rack
Power Supplies	Fixed AC power supply Dual redundant, hot-swappable power supplies supported with 920 W AC (ICX 8200-48PF2, ICX 8200-48ZP2)
Enclosure	Stackable up to 12 switches per stack, chassis-mountable (1U) in a standard 4-post rack
Cooling	Forced-air cooling front-to-back
System Architecture	Non-blocking shared-memory switch

Ethernet

TABLE 2 Supported Ethernet Connections

System Component	Description	Maximum Ports Supported
25 GbE SFP28 Ports	1/10/25 GbE SFP28 port	4 (all 24-port and 48-port models) 8 (ICX 8200-24FX) 2 (ICX 8200-C08ZP)
10 GbE SFP+ Ports	1/10 GbE SFP+ port	16 (ICX 8200-24FX) 2 (ICX 8200-C08PF) 2 (ICX 8200-C08PFV)
10 GbE RJ-45 Ports	100M/1/2.5/5/10 GbE RJ-45 port	4 (ICX 8200-C08ZP)
2.5 GbE RJ-45 Ports	100/1000/2500 Mbps RJ-45 ports	24 (ICX 8200-24ZP) 16 (ICX 8200-48ZP2) 4 (ICX 8200-C08ZP)
1 GbE SFP Ports	1 GbE SFP ports	48 (ICX 8200-48F) 24 (ICX 8200-24F)
1 GbE RJ-45 Ports	10/100/1000 RJ-45 port	48 (ICX 8200-48, ICX 8200-48P, ICX 8200-48PF, ICX 8200-48PF2) 32 (ICX 8200-48ZP2) 24 (ICX 8200-24, ICX 8200-24P, ICX 8200-24PV) 8 (ICX 8200-C08PF) 8 (ICX 8200-C08PFV)
Ethernet Management Port	10/100/1000 Mbps RJ-45 port	1

LEDs

TABLE 3 System and Port LEDs

System Component	Description
Switch Status and Management	Seven LED types indicate switch status: PWR and PWR2 (power supply units) DIAG (diagnostics) SYS (system status) MSTR (stacking configuration) CLD (RUCKUS One/SmartZone management) UPDATE (software update) STAT, SPD, ID, USB, PoE status mode
Ports	LEDs indicate port status or switch ID based on the status mode selection

Other

TABLE 4 Other Accessories

System Component	Description
Serial Cable	1 (RJ-45 to RJ-45)
RJ-45-to-DB9 Adapter	1
AC Power Cord Connector (not included)	IEC 60320-1 C13 and IEC 60320-1 C15 (ICX 8200-C08ZP)

NOTE

These accessories do not apply to the ICX 8200-C08PFV and ICX 8200-24PV.

Weight and Physical Dimensions

TABLE 5 Physical Dimensions per Model

Model	Height	Width	Depth	Weight (with Basic Modules)
ICX 8200-C08PF	4.40 cm 1.73 inches	27.00 cm 10.63 inches	21.40 cm 8.42 inches	2.27 kg 5.00 lb
ICX 8200-C08PFV	4.40 cm 1.73 inches	27.00 cm 10.63 inches	21.40 cm 8.42 inches	2.27 kg 5.00 lb
ICX 8200-C08ZP	4.40 cm 1.73 inches	27.00 cm 10.63 inches	26.00 cm 10.24 inches	3.23 kg 7.12 lb
ICX 8200-24	4.40 cm 1.73 inches	44.00 cm 17.32 inches	28.00 cm 11.02 inches	3.74 kg 8.24 lb
ICX 8200-24F	4.40 cm 1.73 inches	44.00 cm 17.32 inches	28.00 cm 11.02 inches	3.77 kg 8.31 lb
ICX 8200-24FX	4.40 cm 1.73 inches	44.00 cm 17.32 inches	28.00 cm 11.02 inches	3.81 kg 8.40 lb
ICX 8200-24P	4.40 cm 1.73 inches	44.00 cm 17.32 inches	28.00 cm 11.02 inches	4.34 kg 9.57 lb
ICX 8200-24PV	4.40 cm 1.73 inches	44.00 cm 17.32 inches	28.00 cm 11.02 inches	4.34 kg 9.57 lb
ICX 8200-24ZP	4.40 cm 1.73 inches	44.00 cm 17.32 inches	28.00 cm 11.02 inches	5.22 kg 11.51 lb
ICX 8200-48	4.40 cm 1.73 inches	44.00 cm 17.32 inches	37.00 cm 14.57 inches	4.96 kg 10.93 lb
ICX 8200-48F	4.40 cm 1.73 inches	44.00 cm 17.32 inches	28.00 cm 11.02 inches	4.30 kg 9.48 lb
ICX 8200-48P	4.40 cm 1.73 inches	44.00 cm 17.32 inches	37.00 cm 14.57 inches	5.57 kg 12.28 lb

TABLE 5 Physical Dimensions per Model (Continued)

Model	Height	Width	Depth	Weight (with Basic Modules)
ICX 8200-48PF	4.40 cm 1.73 inches	44.00 cm 17.32 inches	37.00 cm 14.57 inches	5.51 kg 12.15 lb
ICX 8200-48PF2	4.40 cm 1.73 inches	44.00 cm 17.32 inches	37.00 cm 14.57 inches	6.39 kg 14.09 lb
ICX 8200-48ZP2	4.40 cm 1.73 inches	44.00 cm 17.32 inches	37.00 cm 14.57 inches	6.64 kg 14.64 lb

Environmental Requirements

TABLE 6 Environmental Requirements

Condition	Operational	Non-operational
Ambient Temperature	0°C to 45°C (32°F to 113°F) at sea level	-40°C to 70°C (-40°F to 158°F)
Relative Humidity (non-condensing)	10% to 95% at 50°C (122°F)	5% to 95% at 70°C (158°F)
Altitude (above sea level)	0 to 3,048 m (10,000 ft)	0 to 12,000 m (39,370 ft)
Shock	20 G, 11 ms, half-sine wave	33 G, 11 ms, half-sine wave
Vibration	1 G sine, 0.4 grms random, 5-500 Hz	2.4 G sine, 1.1 grms random, 5-500 Hz
Airflow	Nominal: 21-30 cfm, Maximum: 100-110 cfm.	N/A
Heat Dissipation (+/- 5%)	NOTE: Refer to “ Power Consumption (Typical Configuration) ” on page 9 and “ Power Consumption (Maximum Configuration) ” on page 11 for detailed information on heat dissipation.	N/A
Operating Noise	ICX 8200-C08PF: Fanless ICX 8200-C08PFV: Fanless ICX 8200-C08ZP: Fanless ICX 8200-24: 40.0 dBA ICX 8200-24F: 41.0 dBA ICX 8200-24FX: 41.0 dBA ICX 8200-24P: 41.0 dBA ICX 8200-24PV: 41.0 dBA ICX 8200-24ZP: 41.0 dBA ICX 8200-48: 40.0 dBA ICX 8200-48F: 41.0 dBA ICX 8200-48P: 41.0 dBA ICX 8200-48PF: 41.0 dBA ICX 8200-48PF2: 51.0 dBA ICX 8200-48ZP2: 51.0 dBA	N/A

Power Supply Specifications (per PSU)

The RUCKUS ICX 8200-48PF2 and ICX 8200-48ZP2 switches are the only models that supports a hot-swappable power supply.

TABLE 7 Power Supply Specifications

Power Supply Model	Maximum Output Power Rating (DC)	Input Voltage	Input Line Frequency	Maximum Input Current	Input Line Protection	Maximum Inrush Current
RPS23-E	920 W	100-240V	50-60Hz	13 A	Fuses	60A

Power Supply Hold-Up Times

TABLE 8 Power Supply Hold-Up Time per Model

Model Name	Power Supply Hold-Up Time
ICX 8200-C08PF	10 ms
ICX 8200-C08PFV	10 ms
ICX 8200-C08ZP	20 ms
ICX 8200-24	10 ms
ICX 8200-24F	10 ms
ICX 8200-24FX	10 ms
ICX 8200-24P	20 ms
ICX 8200-24PV	20 ms
ICX 8200-24ZP	10 ms
ICX 8200-48	10 ms
ICX 8200-48F	10 ms
ICX 8200-48P	20 ms
ICX 8200-48PF	10 ms
ICX 8200-48PF2	10 ms
ICX 8200-48ZP2	14 ms

Power Consumption (Typical Configuration)

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.

TABLE 9 Power Consumption (Typical Configuration)

Model Name (Input Power $\pm 5\%$)	@100 VAC Input	@200 VAC Input	Minimum Number of Power Supplies	Notes
ICX 8200-C08PF	18.1 W 61.78 BTU/hr	18 W 61.44 BTU/hr	1 x 165 W AC	
ICX 8200-C08PFV	18.1 W 61.78 BTU/hr	18 W 61.44 BTU/hr	1 x 165 W AC	

RUCKUS ICX 8200 Specifications
Power Consumption (Typical Configuration)

TABLE 9 Power Consumption (Typical Configuration) (Continued)

Model Name (Input Power $\pm 5\%$)	@100 VAC Input	@200 VAC Input	Minimum Number of Power Supplies	Notes
ICX 8200-C08ZP	40.20 W 137.21 BTU/hr	39.20 W 133.79 BTU/hr	1 x 305 W AC	
ICX 8200-24	31.1 W 106.15 BTU/hr	31.4 W 107.17 BTU/hr	1 x 65 W AC	
ICX 8200-24F	63.04 W 215.16 BTU/hr	65.33 W 222.98 BTU/hr	1 x 100 W AC	
ICX 8200-24FX	79.80 W 272.36 BTU/hr	81.67 W 278.75 BTU/hr	1 x 150 W AC	
ICX 8200-24P	37 W 126.28 BTU/hr	36.5 W 124.58 BTU/hr	1 x 500 W AC	
ICX 8200-24PV	37 W 126.28 BTU/hr	36.5 W 124.58 BTU/hr	1 x 500 W AC	
ICX 8200-24ZP	68.90 W 235.16 BTU/hr	68.32 W 233.18 BTU/hr	1 x 950 W AC	
ICX 8200-48	45.40 W 154.95 BTU/hr	47.10 W 160.77 BTU/hr	1 x 100 W AC	
ICX 8200-48F	106.10 W 362.13 BTU/hr	105.90 W 361.45 BTU/hr	1 x 180 W AC	
ICX 8200-48P	50.00 W 170.65 BTU/hr	49.10 W 167.58 BTU/hr	1 x 500 W AC	
ICX 8200-48PF	51.6 W 176.11 BTU/hr	51 W 174.07 BTU/hr	1 x 950 W AC	
ICX 8200-48PF2	64.6 W 220.48 BTU/hr	64.3 W 219.46 BTU/hr	1 x 920 W AC	1 PSU
	86.6 W 295.57 BTU/hr	86.2 W 294.21 BTU/hr	2 x 920 W AC	2 PSUs
ICX 8200-48ZP2	87.83 W 299.77 BTU/hr	87.18 W 297.55 BTU/hr	1 x 920 W AC	1 PSU
	104.64 W 357.14 BTU/hr	103.06 W 351.75 BTU/hr	2 x 920 W AC	2 PSUs

Power Consumption (Maximum Configuration)

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.

TABLE 10 Power Consumption (Maximum Configuration)

Model Name (Input Power $\pm 5\%$)	@100 VAC Input	@200 VAC Input	Minimum Number of Power Supplies	Notes
ICX 8200-C08PF	154.2 W 526.3 BTU/hr	150.6 W 514.01 BTU/hr	1 x 165 W AC	
ICX 8200-C08PFV	154.2 W 526.3 BTU/hr	150.6 W 514.01 BTU/hr	1 x 165 W AC	
ICX 8200-C08ZP	297.90 W 1016.76 BTU/hr	290.30 W 990.82 BTU/hr	1 x 305 W AC	
ICX 8200-24	38.7 W 132.09 BTU/hr	38.7 W 132.09 BTU/hr	1 x 65 W AC	
ICX 8200-24F	76.46 W 260.96 BTU/hr	77.46 W 264.38 BTU/hr	1 x 100 W AC	
ICX 8200-24FX	91.20 W 311.27 BTU/hr	92.46 W 315.57 BTU/hr	1 x 150 W AC	
ICX 8200-24P	459 W 1566.6 BTU/hr	445 W 1518.82 BTU/hr	1 x 500 W AC	
ICX 8200-24PV	459 W 1566.6 BTU/hr	445 W 1518.82 BTU/hr	1 x 500 W AC	
ICX 8200-24ZP	906.44 W 3093.75 BTU/hr	858.63 W 2930.57 BTU/hr	1 x 950 W AC	
ICX 8200-48	53.1 W 181.23 BTU/hr	54.1 W 184.48 BTU/hr	1 x 100 W AC	
ICX 8200-48F	117.10 W 399.67 BTU/hr	115.50 W 394.21 BTU/hr	1 x 180 W AC	
ICX 8200-48P	465 W 1587.08 BTU/hr	451 W 1539.3 BTU/hr	1 x 500 W AC	
ICX 8200-48PF	890 W 3037.64 BTU/hr	854 W 2914.77 BTU/hr	1 x 950 W AC	
ICX 8200-48PF2	1051.52 W 3588.92 BTU/hr	977.63 W 3336.73 BTU/hr	1 x 920 W AC	1 PSU
	1782.42 W 6083.54 BTU/hr	1667.81 W 5692.37 BTU/hr	2 x 920 W AC	2 PSUs
ICX 8200-48ZP2	1043.67 W 3562.13 BTU/hr	966.67 W 3299.32 BTU/hr	1 x 920 W AC	1 PSU
	1784.41 W 6090.33 BTU/hr	1675.19 W 5717.56 BTU/hr	2 x 920 W AC	2 PSUs

Data Port Specifications (Ethernet)

TABLE 11 Ethernet Ports Specifications

Model Name	Port Type	Number (in Module)	Description
ICX 8200-C08PF	10 GbE	2 (slot 2)	1/10 GbE SFP+ stacking/uplink ports, compatible with optical transceivers, or direct attached copper cable
	1 GbE	8 (slot 1)	RJ-45 PoE+ ports, 10/100/1000 Mbps
ICX 8200-C08PFV	10 GbE	2 (slot 2)	1/10 GbE SFP+ stacking/uplink ports, compatible with optical transceivers, or direct attached copper cable (Note: ICX 8200-C08PFV does not currently support stacking.)
	1 GbE	8 (slot 1)	RJ-45 PoE+ ports, 10/100/1000 Mbps
ICX 8200-C08ZP	25 GbE	2 (slot 2)	SFP28 stacking/uplink ports, compatible with optical transceivers, or direct attached copper cable
	10 GbE	4 (slot 1)	RJ-45 PoE++ ports, 100M/1/2.5/5/10 Gbps.
	2.5 GbE	4 (slot 1)	RJ-45 PoE++ ports, 100/1000/2500 Mbps.
ICX 8200-24	25 GbE	4 (slot 2)	SFP28 stacking/uplink ports, compatible with optical transceivers, or direct attached copper cable
	1 GbE	24 (slot 1)	RJ-45 ports, 10/100/1000 Mbps
ICX 8200-24F	25 GbE	4 (slot 2)	SFP28 stacking/uplink ports, compatible with optical transceivers, or direct attached copper cable
	1 GbE	24 (slot 1)	1 GbE SFP ports
ICX 8200-24FX	25 GbE	8 (slot 2)	SFP28 stacking/uplink ports, compatible with optical transceivers, or direct attached copper cable
	10 GbE	16 (slot 1)	1/10 GbE SFP+ ports
ICX 8200-24P	25 GbE	4 (slot 2)	SFP28 stacking/uplink ports, compatible with optical transceivers, or direct attached copper cable
	1 GbE	24 (slot 1)	RJ-45 PoE+ ports, 10/100/1000 Mbps
ICX 8200-24PV	25 GbE	4 (slot 2)	SFP28 stacking/uplink ports, compatible with optical transceivers, or direct attached copper cable (Note: ICX 8200-24PV does not currently support stacking.)
	1 GbE	24 (slot 1)	RJ-45 PoE+ ports, 10/100/1000 Mbps
ICX 8200-24ZP	25 GbE	4 (slot 2)	SFP28 stacking/uplink ports, compatible with optical transceivers, or direct attached copper cable
	2.5 GbE	24 (slot 1)	RJ-45 PoE++ ports, 100/1000/2500 Mbps.
ICX 8200-48	25 GbE	4 (slot 2)	SFP28 stacking/uplink ports, compatible with optical transceivers, or direct attached copper cable
	1 GbE	48 (slot 1)	RJ-45 ports, 10/100/1000 Mbps
ICX 8200-48F	25 GbE	4 (slot 2)	SFP28 stacking/uplink ports, compatible with optical transceivers, or direct attached copper cable
	1 GbE	48 (slot 1)	1 GbE SFP ports
ICX 8200-48P	25 GbE	4 (slot 2)	SFP28 stacking/uplink ports, compatible with optical transceivers, or direct attached copper cable
	1 GbE	48 (slot 1)	RJ-45 PoE+ ports, 10/100/1000 Mbps
ICX 8200-48PF	25 GbE	4 (slot 2)	SFP28 stacking/uplink ports, compatible with optical transceivers, or direct attached copper cable
	1 GbE	48 (slot 1)	RJ-45 PoE+ ports, 10/100/1000 Mbps
ICX 8200-48PF2	25 GbE	4 (slot 2)	SFP28 stacking/uplink ports, compatible with optical transceivers, or direct attached copper cable
	1 GbE	48 (slot 1)	RJ-45 PoE+ ports, 10/100/1000 Mbps
ICX 8200-48ZP2	25 GbE	4 (slot 2)	SFP28 stacking/uplink ports, compatible with optical transceivers, or direct attached copper cable
	2.5 GbE	16 (slot 1)	RJ-45 PoE++ ports, 100/1000/2500 Mbps.
	1 GbE	32 (slot 1)	RJ-45 PoE+ ports, 10/100/1000 Mbps.

Serial Port Specifications (Pinout USB Type-C)

TABLE 12 Pinout USB Type-C for Serial Protocol

Pin	Signal	Description
A1	USB-C_GND	Ground
A2	Reserved	Not used
A3	Reserved	Not used
A4	USB_TYPE_C_5V_IN	5 V bus power
A5	USB-C_CC1	Configuration channel
A6	USB-C_AD1+	Data A positive
A7	USB-C_AD1-	Data A negative
A8	Reserved	Not used
A9	USB_TYPE_C_5V_IN	5 V bus power
A10	Reserved	Not used
A11	Reserved	Not used
A12	USB-C_GND	Ground
B1	USB-C_GND	Ground
B2	Reserved	Not used
B3	Reserved	Not used
B4	USB_TYPE_C_5V_IN	5 V bus power
B5	Reserved	Not used
B6	USB-C_BD2+	Data B positive
B7	USB-C_BD2-	Data B negative
B8	Reserved	Not used
B9	USB_TYPE_C_5V_IN	5 V bus power
B10	Reserved	Not used
B11	Reserved	Not used
B12	USB-C_GND	Ground

Serial Port Specifications (Pinout RJ-45)

TABLE 13 Pinout RJ-45 for Serial Protocol

Pin	Signal	Description
1	Not supported	N/A
2	Not supported	N/A
3	UART1_TXD	Transmit data to ICX
4	GND	Logic ground
5	Not supported	N/A
6	UART1_RXD	Receive data from ICX

TABLE 13 Pinout RJ-45 for Serial Protocol (Continued)

Pin	Signal	Description
7	Not supported	N/A
8	Not supported	N/A

Serial Port Specifications (Protocol)

TABLE 14 Serial Protocol Parameters

Parameter	Value
Baud	9600 and no other value
Data bits	8
Parity	None
Stop bits	1
Flow control	None

Memory Specifications

TABLE 15 Memory Specifications

Memory	Type	Size
Main memory	DDR4 SDRAM	4 GB
Boot Flash	SPI Flash (dual boot)	16 MB
eMMC Flash	NAND flash	8 GB

Regulatory Compliance (EMC)

- 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)
- KS C 9832 (South Korea) (Class A)
- KS C 9835 (South Korea)
- TCVN 7189 / TCVN 7317 (Vietnam) (Class A)
- EN 61000-3-2

- EN 61000-3-3

Regulatory Compliance (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)

Regulatory Compliance (Environmental)

- 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)

RUCKUS ICX 8200 Specifications

Regulatory Compliance (Environmental)



© 2024 CommScope, Inc. All rights reserved.
350 West Java Dr., Sunnyvale, CA 94089 USA
<https://www.commscope.com>