

Ruckus ICX 7150 Switch Technical Specifications

Copyright, Trademark and Proprietary Rights Information

© 2019 ARRIS Enterprises LLC. 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 ARRIS International plc and/or its affiliates ("ARRIS"). ARRIS reserves the right to revise or change this content from time to time without obligation on the part of ARRIS 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, ARRIS 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. ARRIS 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. ARRIS 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 ARRIS 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 ARRIS, ARRIS 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 ARRIS 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, Ruckus, Ruckus Wireless, Ruckus Networks, Ruckus logo, the Big Dog design, BeamFlex, ChannelFly, EdgIron, FastIron, HyperEdge, ICX, IronPoint, OPENG, SmartCell, Unleashed, Xclaim, ZoneFlex are trademarks of ARRIS International plc and/or its affiliates. Wi-Fi Alliance, Wi-Fi, the Wi-Fi logo, the Wi-Fi CERTIFIED logo, Wi-Fi Protected Access (WPA), the Wi-Fi Protected Setup logo, and WMM are registered trademarks of Wi-Fi Alliance. Wi-Fi Protected Setup™, Wi-Fi Multimedia™, and WPA2™ are trademarks of Wi-Fi Alliance. All other trademarks are the property of their respective owners.

Contents

Ruckus ICX 7150 Switch Technical 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 consumption (idle configuration).....	10
Power consumption (typical configuration).....	11
Power consumption (maximum configuration).....	12
Data port specifications (Ethernet).....	14
Serial port specifications (pinout RJ-45).....	14
Serial port specifications (protocol).....	15
Memory specifications.....	15
Regulatory compliance (EMC).....	15
Regulatory compliance (safety).....	16
Regulatory compliance (environmental).....	16

Ruckus ICX 7150 Switch Technical Specifications

This content highlights the features and specifications for the Ruckus ICX 7150 switch.

System specifications

System component	Description
Enclosure	1U; 19-inch rack-mountable; desktop-, wall-, or under-desk mountable
Power inlet	C14 for AC power
Power supplies	Integrated AC power supply for system and PoE power Dual modular power supplies for ICX7150-48ZP
Fans	Fanless devices <ul style="list-style-type: none">ICX 7150-C12PICX 7150-24ICX 7150-48ICX 7150-C10ZPICX 7150-C08P Two integrated fans per device. 150 W maximum PoE budget in fanless mode. <ul style="list-style-type: none">ICX 7150-24PICX 7150-48PICX 7150-24F Two modular fan trays and two modular power supplies, each of which has a fan <ul style="list-style-type: none">ICX 7150-48ZP Three integrated fans per device. Fanless mode is not supported. <ul style="list-style-type: none">ICX 7150-48PF
Cooling	Closed airflow <ul style="list-style-type: none">ICX 7150-C12PICX 7150-24ICX 7150-48ICX 7150-C10ZPICX 7150-C08P Side-to-back airflow <ul style="list-style-type: none">ICX 7150-24PICX 7150-48PICX 7150-48PFICX 7150-48ZPICX 7150-24F
System architecture	Edge Ethernet switches with full duplex switching and forwarding capabilities <ul style="list-style-type: none">10/100/1000 Mbps RJ-45 downlink and uplink ports100/1000M/2.5 Gbps RJ-45 downlink ports (ICX7150-48ZP only)

System component	Description
	<ul style="list-style-type: none"> PoE+ chipsets with two pair power up to Class 4 power levels of 30 W UPoE/PoH chipsets with four pair power up to 90 W (ICX7150-48ZP only) Optical SFP+ uplink and stacking ports

Ethernet

System component	Description
Ethernet ports	<p>ICX 7150-48ZP: Sixteen 2.5G and thirty-two 1G Copper ports with eight SFP+ 1G/10-GbE optical stacking or uplink ports</p> <p>ICX 7150-C12P: Twelve RJ-45 GbE with 802.3at PoE+, two RJ-45 GbE uplink, two SFP+ 10-GbE uplink/stacking</p> <p>ICX 7150-24: Twenty-four RJ-45 GbE, two RJ-45 GbE uplink, four SFP+ 10-GbE uplink/stacking</p> <p>ICX 7150-24P: Twenty-four RJ-45 GbE with 802.3at PoE+, two RJ-45 GbE uplink, four SFP+ 10-GbE uplink/stacking</p> <p>ICX 7150-48: Forty-eight RJ-45 GbE, two RJ-45 GbE uplink, four SFP+ 10-GbE uplink/stacking</p> <p>ICX 7150-48P: Forty-eight RJ-45 GbE with 802.3at PoE+, two RJ-45 GbE uplink, four SFP+ 10-GbE uplink/stacking</p> <p>ICX 7150-48PF: Forty-eight RJ-45 GbE with 802.3at PoE+, two RJ-45 GbE uplink, four SFP+ 10-GbE uplink/stacking</p> <p>ICX7150-C08P: Eight 1-GbE ports, two SFP 1-GbE uplink</p> <p>ICX7150-C10ZP: Eight 1-GbE/2.5 G ports, 10 PoE ports, two RJ-45 1-GbE /2.5 GbE/5 GbE/10 GbE uplink, two SFP+ 1-GbE/10-GbE uplink/stacking</p> <p>ICX7150-24F: Twenty-four SFP ports, two RJ-45 100-Mb/1-GbE uplink, two SFP 1-GbE/10-GbE uplink/stacking</p>
Management interface	<p>One 10/100/1000 Mbps Ethernet, out-of-band management interface (RJ-45 port) per device</p> <p>One Type-C USB console port per device</p> <p>One RJ-45 console port per device</p> <p>NOTE ICX 7150-C08P does not have a management interface.</p>

LEDs

System component	Description
System status LEDs	<p>SYST: Bicolor LED (green/yellow) controlled by software to indicate the system status</p> <p>M/S: Bicolor LED (green/yellow) controlled by software to indicate master/slave status in stacking mode</p> <p>UPDATE: Bicolor LED (green/yellow) controlled by software to indicate the DHCP auto-configuration from DHCP server</p> <p>DIAG: Bicolor LED (green/yellow) controlled by software to indicate the system is in diagnostic mode</p> <p>CLD: Bicolor LED (green/yellow) controlled by software to indicate the connection to the cloud services platform</p> <p>PWR: Bicolor LED (green/yellow) indicates the internal power status</p>

System component	Description
Port status mode selection LEDs (not enabled currently)	STAT: Bicolor LED (green/yellow) controlled by software to indicate link status SPD: Bicolor LED (green/yellow) controlled by software to indicate link speed (Stacking) ID: Port LED (green) to display stacking ID from 1 to 12 USB: Bicolor LED (green/yellow) to indicate USB flash / Show Tech / file copy / boot status POE: Bicolor LED (green/yellow) controlled by software to indicate PoE/PoE+
Port status LEDs	RJ-45 link status LED: Indicates Ethernet link status and speed SFP/SFP+ status LED: Indicates link status and speed for SFP or SFP+ ports Out-of-band management port: Two single-color LEDs indicate out-of-band management port link status and speed

Other

System component	Description
STATUS MODE	Port status mode selection button
RESET	Reset button for hardware reset without power cycling. There is a hole in the front panel to allow access. NOTE Do not plug in the USB during factory reset.
USB port	Standard type-A USB connector for removable media
Console connectors	RJ-45 console connector USB console Type-C connector
RJ-45 connectors	RJ-45 connectors for GbE data ports

Weight and physical dimensions

The **Total weight** column includes the weight of the unit and the contents of the shipping carton.

Model	Height	Width	Depth	Unit weight	Total weight
ICX 7150-48ZP	4.4 cm	44.0 cm	33.2 cm	6.246 kg	8.282 kg
With one power supply and one fan	1.73 in	17.32 in	13.1 in	13.770 lb	18.259 lb
ICX 7150-48ZP	4.4 cm	44.0 cm	33.2 cm	7.415 kg	9.451 kg
With two power supplies and two fans	1.73 in	17.32 in	13.1 in	16.347 lb	20.836 lb
ICX 7150-C12P	4.4 cm	26.9 cm	21.3 cm	2.58 kg	3.12 kg
	1.73 in	10.59 in	8.39 in	5.69 lb	6.88 lb
ICX 7150-24	4.4 cm	44.0 cm	28.0 cm	3.80 kg	5.20 kg
	1.73 in	17.32 in	11.0 in	8.38 lb	11.46 lb
ICX 7150-24P	4.4 cm	44.0 cm	28.0 cm	4.93 kg	6.35 kg
	1.73 in	17.32 in	11.0 in	10.97 lb	14.00 lb

Model	Height	Width	Depth	Unit weight	Total weight
ICX 7150-48	4.4 cm	44.0 cm	37.0 cm	4.82 kg	6.65 kg
	1.73 in	17.32 in	14.6 in	10.63 lb	14.66 lb
ICX 7150-48P	4.37 cm	44.0 cm	37.0 cm	6.17 kg	7.90 kg
	1.72 in	17.32 in	14.6 in	13.60 lb	17.42 lb
ICX 7150-48PF	4.37 cm	44.0 cm	37.0 cm	6.28 kg	8.07 kg
	1.72 in	17.32 in	14.6 in	13.85 lb	17.79 lb
ICX 7150-C08P	4.34 cm	27 cm	21.3 cm	1.93 kg	2.71 kg
	1.70 in	10.63 in	8.38 in	4.26 lb	5.98 lb
ICX 7150-C10ZP	4.3 4cm	30.4 cm	28 cm	3.57 kg	4.3 kg
	1.70 in	11.96 in	11 in	7.87 lb	9.48 lb
ICX 7150-24F	4.37 cm	44.0 cm	28.0 cm	3.6 kg	5.1 kg
	1.72 in	17.32 in	11.0 in	7.92 lb	11.22 lb

Environmental requirements

Condition	Operational	Non-operational
Ambient temperature	-5°C (cold start). 0°C to 45°C (23°F to 113°F) at sea level. ^{1, 2}	-25°C to 70°C (-13°F to 158°F)
Relative humidity (non-condensing)	5% to 95% at 45°C (113°F)	0% to 95% at 70°C (158°F)
Altitude (above sea level)	0 to 3,000 m (10,000 feet)	0 to 12,000 m (39,000 feet)
Shock	20 G, 11 ms, half-sine wave	33 G, 11 ms, half-sine wave
Vibration	1 G sine, 0.4 gms random, 5-500 Hz	2.4 G sine, 1.1 gms random, 5-500 Hz
Airflow	ICX 7150-48ZP: 40.36 CFM (Maximum), 14.6 CFM (Typical) ICX 7150-C12P: 0 CFM ICX 7150-24: 0 CFM ICX 7150-24P: 37.6 CFM (Maximum), 13.4 CFM (Typical) ICX 7150-48: 0 CFM ICX 7150-48P: 38.15 CFM (Maximum), 13.9 CFM (Typical) ICX 7150-48PF: 50.8 CFM (Maximum), 19.6 CFM (Typical) ICX 7150-24F: 15.5 CFM (Maximum) , 6.1 CFM (Typical)	N/A
Heat dissipation	Refer to Power Consumption specification sections	N/A
Operating noise	For all fanless ICX 7150 devices and devices in fanless mode: Less than 12 dBA	N/A

¹ For the ICX 7150-C12P and ICX 7150-C08P, the maximum operating temperature is 40°C when under fully loaded PoE conditions or when installed using the long bracket (ICX7000-C12-RMK) under a fixed surface. The maximum operating temperature is 35°C when installed using the short bracket (ICX7000-C12-WMK) under a fixed surface.

² For the ICX7150-C10ZP, the maximum operating temperature is 40°C when under fully loaded PoE conditions. The maximum operating temperature is 35°C when installed in ceiling mount condition.

Condition	Operational	Non-operational
	<p>ICX 7150-24P, ICX 7150-48P, and ICX 7150-48ZP with fans running: Maximum of 52 dBA</p> <p>ICX 7150-48PF with fans running: Maximum of 48 dBA (fanless mode is not supported)</p> <p>ICX7150-24F: Maximum 40 dBA</p>	

Power supply specifications (per PSU)

All the Ruckus ICX 7150 power supply units (PSUs) are fixed and internal to the device. All the PSUs use a C14 inlet and connect to standard AC power.

Device	Maximum output power rating (DC)	Input voltage	Input line frequency	Maximum input current	Input line protection	Maximum inrush current
ICX 7150-48ZP	920 W	100 - 240 VAC (nominal) 90 - 264 VAC (range)	50/60 Hz (nominal) 47 - 63 Hz (range)	13 A (rms)	Line fused	75 A at 230 VAC Cold start @ 25°C
ICX 7150-C12P	150 W	100 - 240 VAC (nominal) 90 - 264 VAC (range)	50/60 Hz (nominal) 47 - 63 Hz (range)	5 A (rms)	Line fused	100 A at 230 VAC Cold start @ 25°C
ICX 7150-24	36 W	100 - 240 VAC (nominal) 90 - 264 VAC (range)	50/60 Hz (nominal) 47 - 63 Hz (range)	0.9 A (rms)	Line fused	80 A at 230 VAC Cold start @ 25°C
ICX 7150-24P	525 W	100 - 240 VAC (nominal) 90 - 264 VAC (range)	50/60 Hz (nominal) 47 - 63 Hz (range)	10 A (rms)	Line fused	60 A at 230 VAC Cold start @ 25°C
ICX 7150-48	65 W	100 - 240 VAC (nominal) 90 - 264 VAC (range)	50/60 Hz (nominal) 47 - 63 Hz (range)	1.5 A (rms)	Line fused	80 A at 230 VAC Cold start @ 25°C
ICX 7150-48P	525 W	100 - 240 VAC (nominal) 90 - 264 VAC (range)	50/60 Hz (nominal) 47 - 63 Hz (range)	10 A (rms)	Line fused	60 A at 230 VAC Cold start @ 25°C
ICX 7150-48PF	880 W	100 - 240 VAC (nominal) 90 - 264 VAC	50/60 Hz (nominal) 47 - 63 Hz	15 A (rms)	Line fused	120 A at 230 VAC Cold start @ 25°C

Ruckus ICX 7150 Switch Technical Specifications
Power consumption (idle configuration)

Device	Maximum output power rating (DC)	Input voltage	Input line frequency	Maximum input current	Input line protection	Maximum inrush current
		(range)	(range)			
ICX 7150-C08P	150 W	100 - 240 VAC (nominal) 90 - 264 VAC (range)	50/60 Hz (nominal) 47 - 63 Hz (range)	2.2 A (rms)	Line fused	65 A at 115 VAC 130 A at 230 VAC Cold start @ 25°C
ICX 7150-C10ZP	300 W	100 - 240 VAC (nominal) 90 - 264 VAC (range)	50/60 Hz (nominal) 47 - 63 Hz (range)	4 A (rms)	Line fused	30 A at 115 VAC 60 A at 230 VAC Cold start @ 25°C
ICX 7150-24F	100 W	100 - 240 VAC (nominal) 90 - 264 VAC (range)	50/60 Hz (nominal) 47 - 63 Hz (range)	2 A (rms)	Line fused	65 A at 115 VAC 130 A at 230 VAC Cold start @ 25°C

Power consumption (idle configuration)

Idle: No optics or connections to ports installed and system booted up. Fans at nominal speed.

Model name	@100 VAC input	@200 VAC input	@-48 VDC input	Minimum number of power supplies	Notes
ICX 7150-48ZP With one power supply and one fan	0.82 A 89 W 303.68 BTU/hr	0.5 A 85.89 W 293.07 BTU/hr	N/A	1	All ports down, no optics or cables connected. No Load (traffic)
ICX 7150-48ZP With two power supplies and two fans	1.14 A 108 W 368.51 BTU/hr	0.7 A 105.4 W 359.64 BTU/hr	N/A	2	All ports down, no optics or cables connected. No Load (traffic)
ICX 7150-C12P	0.22 A 20.10 W 68.60 BTU/hr	0.16 A 19.5 W 68.09 BTU/hr	N/A	1	All ports down, no optics or cables connected. No Load (traffic)
ICX 7150-24	0.25 A 13.88 W 47.37 BTU/hr	0.16 A 13.53 W 46.18 BTU/hr	N/A	1	All ports down, no optics or cables connected. No Load (traffic)
ICX 7150-24P	0.35 A 31.58 W 107.79 BTU/hr	0.29 A 30.64 W 104.58 BTU/hr	N/A	1	All ports down, no optics or cables connected. No Load (traffic)
ICX 7150-48	0.46 A 24.19 W 82.56 BTU/hr	0.28 A 23.55 W 80.38 BTU/hr	N/A	1	All ports down, no optics or cables connected.

Model name	@100 VAC input	@200 VAC input	@-48 VDC input	Minimum number of power supplies	Notes
					No Load (traffic)
ICX 7150-48P	0.50 A 46.90 W 160.07 BTU/hr	0.35 A 46.80 W 159.73 BTU/hr	N/A	1	All ports down, no optics or cables connected. No Load (traffic)
ICX 7150-48PF	0.53 A 49.90 W 170.31 BTU/hr	0.37 A 49.33 W 168.37 BTU/hr	N/A	1	All ports down, no optics or cables connected. No Load (traffic) Fans always running.

Model name	@100 VAC input	@200 VAC input	Minimum number of power supplies	Notes
ICX 7150-C08P	0.27 A 13.1 W 44.67 BTU/hr	0.18 A 13.9 W 47.4 BTU/hr	1	All ports are down, no optics or cables connected. No load (traffic).
ICX 7150-C10ZP	0.3 A 28.5 W 97.19 BTU/hr	0.23 A 28.5 W 97.19 BTU/hr	1	All ports are down, no optics or cables connected. No load (traffic).
ICX 7150-24F	0.33 A 17.2 W 58.65 BTU/hr	0.21 A 17.6W 60.02 BTU/hr	1	All ports are down, no optics or cables connected. No load (traffic). Fans always running.

Power consumption (typical configuration)

Typical: 10% traffic rate on all ports with 64-byte packet size and random payload at room temperature. All ports fully configured. Fans at nominal speed.

Model name	@100 VAC input	@200 VAC input	@-48 VDC input	Minimum number of power supplies	Notes
ICX 7150-48ZP With one power supply and one fan	9.29 A 917 W 3218.935 BTU/hr	4.41 A 870 W 2968.56 BTU/hr	N/A	1	All 2.5G and 1G ports and eight 10G ports are linked UP 10% traffic 100% PoE Load
ICX 7150-48ZP With two power supplies and two fans	18.29 A 1804 W 6155.5 BTU/hr	8.63 A 1868 W 5752,87 BTU/hr	N/A	2	All 2.5G and 1G ports and eight 10G ports are linked UP 10% traffic 100% PoE Load
ICX 7150-C12P	1.59 A 157.12 W	0.80 A 153.31 W	N/A	1	12 1-GbE and 2 10-GbE ports are linked UP ONLY.

Ruckus ICX 7150 Switch Technical Specifications
Power consumption (maximum configuration)

Model name	@100 VAC input	@200 VAC input	@-48 VDC input	Minimum number of power supplies	Notes
	536.26 BTU/hr	523.26 BTU/hr			10% traffic. 100% PoE Load
ICX 7150-24	0.42 A 23.87 W 81.47 BTU/hr	0.26 A 23.37 W 76.76 BTU/hr	N/A	1	24 1-GbE and 4 10-GbE ports are linked UP ONLY. 10% traffic.
ICX 7150-24P	4.57 A 455.39 W 1554.28 BTU/hr	2.24 A 438.75 W 1497.49 BTU/hr	N/A	1	24 1-GbE and 4 10-GbE ports are linked UP ONLY. 10% traffic. 100% PoE Load
ICX 7150-48	0.74 A 38.49 W 131.37 BTU/hr	0.45 A 39.02 W 133.18 BTU/hr	N/A	1	48 1-GbE and 4 10-GbE ports are linked UP ONLY. 10% traffic.
ICX 7150-48P	4.88 A 476.30 W 1625.65 BTU/hr	2.35 A 460.60 W 1572.06 BTU/hr	N/A	1	48 1-GbE and 4 10-GbE ports are linked UP ONLY. 10% traffic. 100% PoE Load
ICX 7150-48PF	9.56 A 922.0 W 3146.86 BTU/hr	4.45 A 868.54 W 2964.40 BTU/hr	N/A	1	48 1-GbE and 4 10-GbE ports are linked UP ONLY. 10% traffic. 100% PoE Load

Model name	@100 VAC input	@200 VAC input	Minimum number of power supplies	Notes
ICX7150-C08P	0.88 A 87 W 296.67 BTU/hr	0.49 A 90.1 W 307.24 BTU/hr	1	All 1G ports are linked UP 10% traffic 100% PoE load
ICX7150-C10ZP	3.10 A 308.4 W 1051.64 BTU/hr	1.53 A 300.04 W 1024.26 BTU/hr	1	All 2.5G and four 10G ports are linked UP 10% traffic 100% PoE load
ICX7150-24F	0.41 A 39.6 W 135.04 BTU/hr	0.26 A 42.2 W 143.9 BTU/hr	1	All 1G and four 10G ports linked UP 10% traffic Fans always running

Power consumption (maximum configuration)

Maximum: All ports fully configured with connection and traffic at maximum throughput. Fans at high speed.

Ruckus ICX 7150 Switch Technical Specifications
Power consumption (maximum configuration)

Model name	@100 VAC input	@200 VAC input	@-48 VDC input	Minimum number of power supplies	Notes
ICX 7150-48ZP With one power supply and one fan	9.46 A 932 W 3180.12 BTU/hr	4.54 A 888 W 3029.98 BTU/hr	N/A	1	All 2.5G and 1G ports and eight 10G ports are linked UP 100% traffic 100% PoE Load Fan at high speed
ICX 7150-48ZP With two power supplies and two fans	18.66 A 1841 W 6281.75 BTU/hr	8.8 A 1720 W 5868.88 BTU/hr	N/A	2	All 2.5G and 1G ports and eight 10G ports are linked UP 100% traffic 100% PoE Load Fans at high speed
ICX 7150-C12P	1.59 A 157.21 W 536.57 BTU/hr	0.80 A 153.39 W 523.53 BTU/hr	N/A	1	12 1-GbE and 2 10-GbE ports are linked UP ONLY. 100% traffic. 100% PoE Load
ICX 7150-24	0.42 A 23.96 W 81.78 BTU/hr	0.27 A 24.19 W 82.56 BTU/hr	N/A	1	24 1-GbE and 4 10-GbE ports are linked UP ONLY. 100% traffic.
ICX 7150-24P	4.74 A 471.85 W 1610.46 BTU/hr	2.32 A 454.62 W 1551.65 BTU/hr	N/A	1	24 1-GbE and 4 10-GbE ports are linked UP ONLY. 100% traffic. 100% PoE Load
ICX 7150-48	0.74 A 38.78 W 132.36 BTU/hr	0.46 A 39.14 W 133.59 BTU/hr	N/A	1	48 1-GbE and 4 10-GbE ports are linked UP ONLY. 100% traffic.
ICX 7150-48P	5.03 A 491.32 W 1676.91 BTU/hr	2.42 A 475.0 W 1621.21 BTU/hr	N/A	1	48 1-GbE and 4 10-GbE ports are linked UP ONLY. 10% traffic. 100% PoE Load
ICX 7150-48PF	9.82 A 949.33 W 3240.14 BTU/hr	4.57 A 893.30 W 3048.90 BTU/hr	N/A	1	48 1-GbE and 4 10-GbE ports are linked UP ONLY. 10% traffic. 100% PoE Load

Model name	@100 VAC input	@200 VAC input	Minimum number of power supplies	Notes
ICX7150-C08P	0.88 A 87.1 W	0.49 A 90.2 W	1	All 1G ports are linked UP 100% traffic

Model name	@100 VAC input	@200 VAC input	Minimum number of power supplies	Notes
	297.01 BTU/hr	307.58 BTU/hr		
ICX7150-C10ZP	3.1 A 309.4 W 1055.05 BTU/hr	1.53 A 301.4 W 1027.77 BTU/hr	1	All 2.5 ports and four 10G ports are linked UP 100% traffic
ICX7150-24F	0.44 A 42.5 W 144.93 BTU/hr	0.28 A 45.9 W 156.52 BTU/hr	1	All 1G ports and four 10G ports are linked UP 100% traffic Fan always running

Data port specifications (Ethernet)

NOTE

The ICX 7150 10-GbE ports provide both active and passive cable support.

Model	Port type	Number of ports	Description
ICX 7150-48ZP	1 GbE (copper)	48 downlink	RJ-45 10/100/1000 Mbps ports
	2.5 GbE (copper)	16 downlink	RJ-45 100/1000 M/2.5 Gbps ports
	1/10 GbE (optical)	4 uplink and 4 stacking	SFP+ ports
ICX 7150-C12P	GbE (copper)	12 downlink + 2 uplink	RJ-45 10/100/1000 Mbps ports
	10 GbE (optical)	2 uplink or stacking	SFP+ ports
ICX 7150-24	GbE (copper)	24 downlink + 2 uplink	RJ-45 10/100/1000 Mbps ports
	10 GbE (optical)	4 uplink or stacking	SFP+ ports
ICX 7150-24P	GbE (copper)	24 downlink + 2 uplink	RJ-45 10/100/1000 Mbps ports
	10 GbE (optical)	4 uplink or stacking	SFP+ ports
ICX 7150-48	GbE (copper)	48 downlink + 2 uplink	RJ-45 10/100/1000 Mbps ports
	10 GbE (optical)	4 uplink or stacking	SFP+ ports
ICX 7150-48P	GbE (copper)	48 downlink + 2 uplink	RJ-45 10/100/1000 Mbps ports
	10 GbE (optical)	4 uplink or stacking	SFP+ ports
ICX 7150-48PF	GbE (copper)	48 downlink + 2 uplink	RJ-45 10/100/1000 Mbps ports
	10 GbE (optical)	4 uplink or stacking	SFP+ ports
ICX7150-C08P	1 GbE (copper)	8 downlink+2 uplink	RJ-45 1 Gbps ports
ICX7150-C10ZP	1 GbE (copper)	8 downlink and 2 uplink or stacking	RJ-45 1/2.5/5/10 Gbps ports
ICX7150-24F	1 GbE (optical)	24 downlink +6 uplink or stacking	SFP Ports

Serial port specifications (pinout RJ-45)

Pin	Signal	Description
1	Not supported	N/A

Pin	Signal	Description
2	Not supported	N/A
3	UART1_TXD	Transmit data
4	GND	Logic ground
5	GND	Logic ground
6	UART1_RXD	Receive data
7	Not supported	N/A
8	Not supported	N/A

Serial port specifications (protocol)

Parameter	Value
Baud	9600 bps
Data bits	8
Parity	None
Stop bits	1
Flow control	None

Memory specifications

Memory	Type	Size
Boot Flash	SPI NOR Flash	2 x 8 MB
Compact Flash	NAND Flash (MLC)	2 GB
Main Memory	DDR4 SDRAM (not ECC capable)	1 GB

Regulatory compliance (EMC)

- FCC Part 15, Subpart B
- EN 55024
- EM 55032 (CE Mark) (Class A)
- ICES-003
- VCCI
- EN 300 386
- CNS 13438
- KN 32
- KN 35
- TCVN 7189
- EN 61000-3-2
- EN 61000-3-3

- GB 9254
- CISPR 32
- 2014/30/EU
- AS/NZS CISPR32 (Australia) (Class A)

Regulatory compliance (safety)

- EN/UL 60825
- EN/UL/CSA/IEC 60950-1
- GB 4943.1
- CNS 14336-1
- 2014/35/EU

Regulatory compliance (environmental)

- 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).



© 2019 ARRIS Enterprises LLC. All rights reserved.
Ruckus Wireless, Inc., a wholly owned subsidiary of ARRIS International plc.
350 West Java Dr., Sunnyvale, CA 94089 USA
www.ruckuswireless.com