

Product data sheet

Specifications



Quantum Ethernet RIO Head

140CRP31200

⚠ Discontinued on: Apr 30, 2025

⚠ To be end-of-service on: Dec 31, 2032

⚠ Discontinued - Service only

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Modicon Quantum
Product or Component Type	Ethernet RIO head for Quantum
Number of port	4
Integrated connection type	Ethernet IP/Modbus TCP service port Ethernet IP/Modbus TCP interlink port Ethernet IP/Modbus TCP device network
Communication Port Protocol	Ethernet IP/Modbus TCP
Communication Service	Diagnostics for remote I/O devices Configure IP parameters RSTP support Configuration for remote I/O devices Allows PLC to connect to an Ethernet network

Complementary

Topology	Daisy chain loop
Local signalling	1 LED (green) for activity 1 LED (green) for ready 1 LED (green/red) for module status (Mod Status) 1 LED (green/red) for network communication status (Net Status)
Product Compatibility	140CPU65150 140CPU65260 140CPU65160 140CPU67261 140CPU67160
Environmental characteristic	Standard environment Hazardous location class I division 2 EN/IEC 61131-1
Width	6.6 in (167 mm)
Height	2.0 in (50 mm)
Net Weight	1.221 lb(US) (0.554 kg)

Environment

Product Certifications	UL 508 CE C-tick
Standards	CSA C22.2 No 142 EN 55011 IEC 61000-4-16
IP degree of protection	IP20 conforming to EN 61131-2 IP20 conforming to IEC 60527
Overvoltage category	Class I conforming to EN 61131-2

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Ambient air temperature for operation	32...140 °F (0...60 °C) IEC 60068-2-2 32...140 °F (0...60 °C) IEC 60068-2-2
Ambient air temperature for storage	-40...185 °F (-40...85 °C) IEC 60068-2-2 -40...185 °F (-40...85 °C) IEC 60068-2-2
Vibration resistance	3.5 mm constant amplitude (f= 0.5...8.4 Hz) conforming to EN 61131-2 1 gn constant acceleration (f= 8.4...150 Hz) conforming to EN 61131-2
Operating altitude	6561.68 ft (2000 m)
Maximum altitude transport	9842.5 ft (3000 m)
Relative humidity	93 % conforming to IEC 60068

Ordering and shipping details

Category	US1PC2118155
Discount Schedule	PC21
GTIN	3595864118024
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.969 in (5.000 cm)
Package 1 Width	6.496 in (16.500 cm)
Package 1 Length	12.402 in (31.500 cm)
Package weight(Lbs)	19.295 oz (547.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	9.595 lb(US) (4.352 kg)

Contractual warranty

Warranty (in months)	18
----------------------	----



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Longer

Lifetime extension	
Repair	No

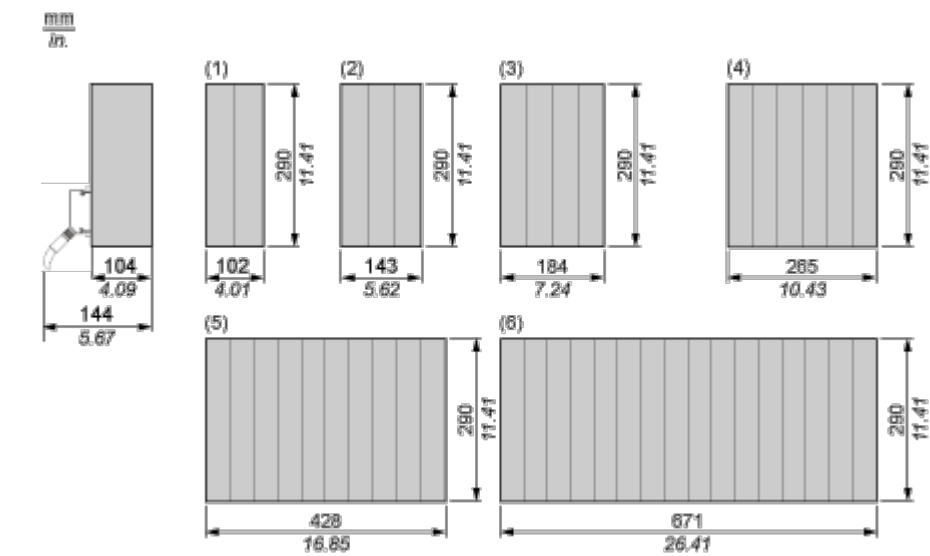
Use Again

Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks



- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots