Product data sheet

Specifications

Green Premium™

Quantum Ethernet RIO Head

140CRP31200

Discontinued on: Sep 15, 2023

To be discontinued

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	Activity 1 LED green) Ready 1 LED green) Module status (Mod Status) 1 LED green/red) Network communication status (Net Status) 1 LED green/red)
Product Compatibility	140CPU65150 140CPU65260 140CPU65160 140CPU67261 140CPU67160
Environmental Characteristic	Standard environment Hazardous location class I division 2 EN/IEC 61131-1
Width	6.57 in (167 mm)
Height	1.97 in (50 mm)
Net Weight	1.22 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 EN 61131-2 IP20 IEC 60527
Overvoltage Category	Class I EN 61131-2

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 0.5…8.4 Hz)EN 61131-2 1 gn constant acceleration 8.4…150 Hz)EN 61131-2
Operating Altitude	2000 m
Maximum Altitude Transport	9842.52 ft (3000 m)
Relative Humidity	93 % conforming to IEC 60068

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.97 in (5.000 cm)
Package 1 Width	6.50 in (16.500 cm)
Package 1 Length	12.40 in (31.500 cm)
Package 1 Weight	19.29 oz (547.000 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	7
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	9.59 lb(US) (4.352 kg)

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

RoHS/REACh

Well-being performance

Reach Free Of Svhc	
Mercury Free	
Rohs Exemption Information	Yes

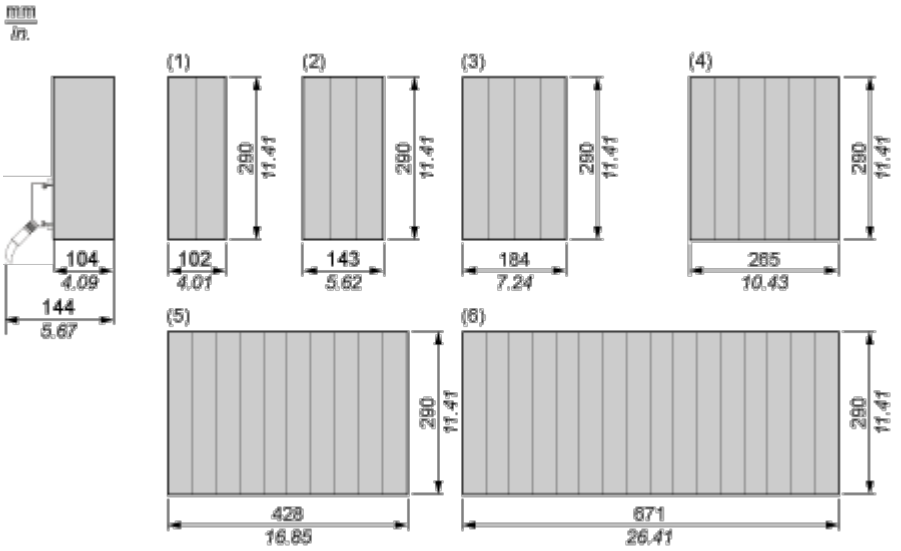
Certifications & Standards

Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

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