DA-820-Ethernet Series Expansion Modules

Expansion modules with 2-port Giga SFP LAN, 2-port 100 Mbps SPF LAN, and 2-Port PRP/HSR Giga LAN
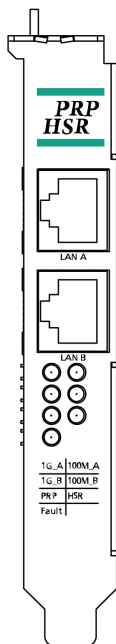
Features and Benefits

- 2-port Giga LAN PRP/HSR module
- 2-port 100 Mbps SFP fiber module (SFP module excluded)
- 2-port 1000 Mbps fiber card, SFP slot x 2 (SFP module excluded)
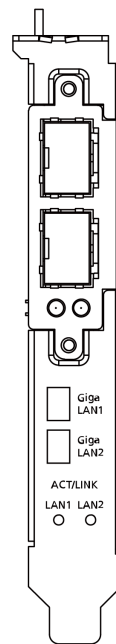
Introduction

The DA-820-Ethernet expansion modules, with choice of Fiber LAN ports and PRP/HSR communication redundancy ports, provide superior flexibility for industrial applications. The 2/4-port Fiber LAN modules are suitable for industrial communication applications with Ethernet-based devices. The DA-PHR-PTP expansion module is compliant with IEC 62439-3 Clause 4 (PRP) and IEC 62439-3 Clause 5 (HSR) to ensure the highest system availability and data integrity for mission-critical applications that require redundancy and zero-time recovery. With dual Gigabit Ethernet port design, the DA-PRP-HSR module provides high performance for redundant network systems. In addition, the DA-PRP-HSR features built-in native PRP/HSR management middleware with MMS server that allows SCADA systems to collect IEC62439-3 registers from multiple devices for easy network diagnosis, troubleshooting, device management, and monitoring. All modules are designed to offer the greatest flexibility for setting up applications and performing industrial tasks.
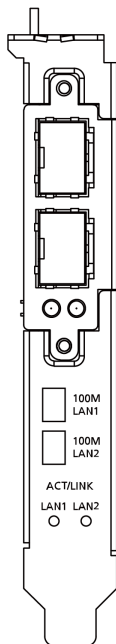
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Appearance

DA-PRP-HSR

DE-GX02-SFP-T

DE-FX02-SFP-T

Specifications

Ethernet Interface

10/100/1000BaseT(X) Ports (RJ45 connector)	DA-PRP-HSR: 2
100 Mbps fiber (SFP connector)	DE-GX02-SFP-T: 2
1000 Mbps fiber (SFP connector)	DE-FX02-SFP-T: 2
Magnetic Isolation Protection	1.5 kV (built-in)

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Physical Characteristics

Dimensions (without ears)	DA-PRP-HSR: 167 x 111 mm (6.6 x 4.38 in) DE-FX02-SFP-T, DE-GX02-SFP-T: 183 x 106.65 mm (7.2 x 4.19 in)
Weight	DE-FX02-SFP-T: 218 g (0.48 lb) DE-GX02-SFP-T: 220 g (0.49 lb) DA-PRP-HSR: 212 g (0.47 lb)

Environmental Limits

Operating Temperature	-40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)

Declaration

Green Product	RoHS, CRoHS, WEEE

MTBF

Time	DE-FX02-SFP-T: 1,403,659 hrs DE-GX02-SFP-T: 1,403,659 hrs DA-PRP-HSR: 1,707,210 hrs
Standards	Telcordia (Bellcore), GB

Warranty

Warranty Period	3 years
Details	See www.moxa.com/warranty

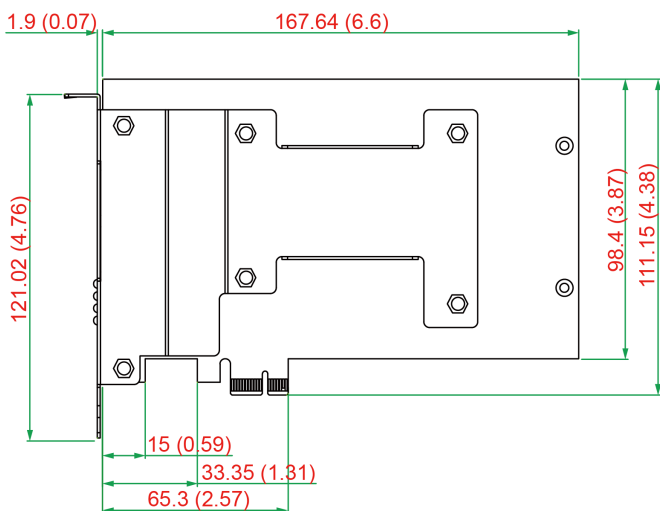## Package Contents

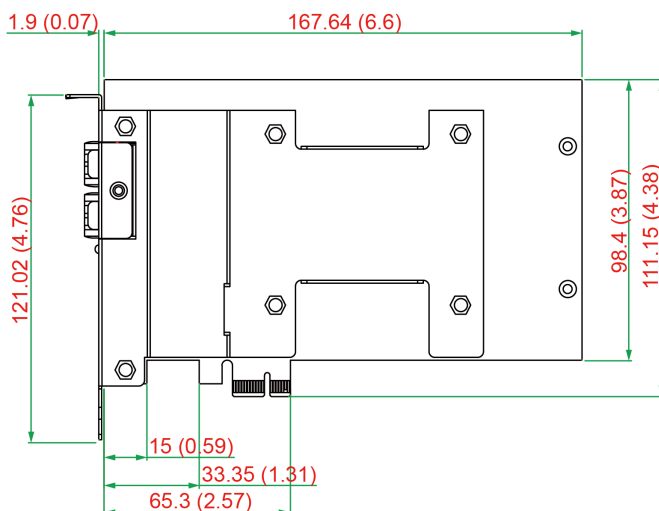|	
Device	1 x DA-820-Ethernet Series expansion module
Documentation	1 x warranty card

Dimensions

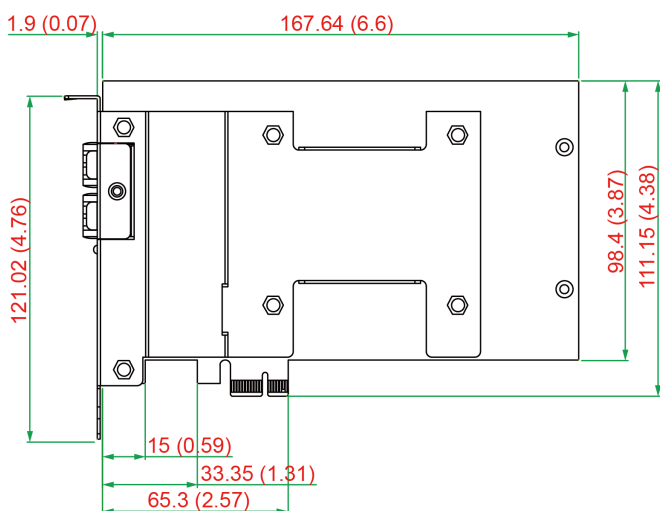**DA-PRP-HSR**

Unit: mm (inch)

DE-GX02-SFP-T

Unit: mm (inch)

DE-FX02-SFP-T

Unit: mm (inch)

Ordering Information

Model Name	Port	100 Mbps	100/1000 Mbps	1000 Mbps	RJ45	SFP	PRP/HSR
DE-FX02-SFP-T	2	✓	–	–	–	✓	–
DE-GX02-SFP-T	2	–	–	✓	–	✓	–
DA-PRP-HSR	2	–	✓	–	✓	–	✓

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