General Specifications

Model GRVSFP
SFP Module for network switch
for Vnet/IP

GS 30A10B20-01EN

■ OVERVIEW

The SFP module is an optical transceiver to be installed in an SFP port of a Network Switch for Vnet/IP when connecting to another switch with an optical fiber cable.

SFP modules are hot-pluggable.

Multiple models are offered in accordance with distance or type of optical fiber.

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■ COMMON SPECIFICATIONS

ITEM	Description
Function	Vnet/IP Optical transmission
Type of Optical connecter	LC type (in conformity to IEC61754-20)
Number of optical fiber cores	2

■ DETAILS OF SPECIFICATION

Order Model Code	Interface Standard	Center Wavelength	Compatible Optical Fiber	Allowable Dissipation	Max transmission Distance	Operating Temperature
GRVSFP-674FA	100BASE-FX	1310 nm	Multi-mode	0 to 5 dB	4 km (*1)	0 to +60 ºC
GRVSFP-675FA	1000BASE-LX	1310 nm	Single-mode (*2)	0 to 8 dB	20 km	0 to +60 ºC
			Multi-mode (*3)	0 to 8 dB	0.55 km (*4)	
GRVSFP-676FA	1000BASE-LX	1310 nm	Single-mode (*2)	0 to 8 dB	20 km	-40 to +85 ºC
			Multi-mode (*3)	0 to 8 dB	0.55 km (*4)	
GRVSFP-696FA	1000BASE-LH	1550 nm	Single-mode (*2)	6 to 20 dB	80 km (*5)	0 to +60 ºC
GRVSFP-697FA	1000BASE-LH+	1550 nm	Single-mode (*2)	13 to 30 dB	120 km (*5)	0 to +60 ºC

*1: Multi-mode optical fiber can work in case of its transmission band is 800 or more MHz•Km.
*2: Typical single-mode optical fiber cable complies with IEC 60793-2-50 B1.1, ITU-T G652.B, or JIS C 6835 SSMA.
*3: This needs Mode conditioning patch code.
*4: Multi-mode optical fiber can work in case of its transmission band is 500 or more MHz•Km.
*5: Single-mode optical fiber can work in case of it satisfies the following specifications.
　• Cable attenuation at 1550 nm wavelength: 0.25 dB/km or less
　• Chromatic dispersion at 1550 nm wavelength: 19 ps/nm/km or less

■ COMPLIED STANDARDS

Each Network Switch for Vnet/IP is compliant with the standards with the following original model code applied by network switch vendor.
Refer to Catalog issued by network switch vendor for information about standards.

Ordering Model Code (Model, Suffix code)	Original model code by network switch vendor
GRVSFP-674FA	M-FAST SFP-MM/LC
GRVSFP-675FA	M-SFP-LX/LC
GRVSFP-676FA	M-SFP-LX/LC EEC
GRVSFP-696FA	M-SFP-LH/LC
GRVSFP-697FA	M-SFP-LH+/LC

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■ MODEL AND SUFFIX CODES

SFP module for Network Switch for Vent/IP

		Description
Model	GRVSFP	SFP module for Network Switch for Vent/IP
Suffix Codes	-674FA	Multimode fiber, Max. transmission Distance: 4 km (*1)
	-675FA	Single mode fiber, Max. Transmission Distance: 20 km
	-676FA	Single mode fiber, Max. transmission Distance: 20 km, Extended temperature range
	-696FA	Single mode fiber, Max. transmission Distance: 80 km
	-697FA	Single mode fiber, Max. transmission Distance: 120 km

*1:   Caution: the specification of Vnet/IP is restricted because the transmission speed of this module is 100 Mbps.

■ ORDERING INFORMATION

Specify Model code and Suffix code when ordering.

■ TRADEMARK

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