

Magnum CSG14U Gigabit Converter Switches Configuration Guide

1.) **Select your application environment:** a.) Hardened/Factory Floor (-25° to +60°C), b.) Premium/Outdoor Rated (-40° to +75°C)

2a.) **Select the SFP or SFPs for fiber ports.** All CSG14U Converter Switches have three ports—one 10/100 RJ-45 Copper and two fiber transceiver slots for Gb or 100Mb SFPs.

2b.) **For each SFP transceiver slot, select from the following Gb or 100Mb fiber transceivers :**

- “SFP-SX”= **Gb** SX: fiber optic multi-mode with SC type, 550m (2km per Pwr Budget)
- “SFP-ESX”= **Gb** ESX: fiber optic multi-mode with SC type, 2 km (3km per Pwr Budget)
- “SFP-LX10”= **Gb** LX10: fiber optic single-mode w/ LC, 10 km (22km per Pwr Budget)
- “SFP-LX25”= **Gb** LX25: fiber optic single-mode with LC, 25 km (40km per Pwr Budget)
- “SFP-ZX40”= **Gb** ZX40: fiber optic single-mode LC, 40 km (60km per Pwr Budget)
- “SFP-ZX70”= **Gb** ZX70: fiber optic single-mode LC , 70 km (90km per Pwr Budget)
- “SFP100P-FXMM2”= **100Mb** FX Fiber Optic SFP-LC transceiver, multi-mode, 2Km distance
- “SFP100P-FXSM20”= **100Mb** FX Fiber Optic SFP-LC transceiver, single-mode, 20Km distance
- “SFP100P-FXSM40”= **100Mb** FX Fiber Optic SFP-LC transceiver, single-mode, 40Km distance



3.) **Select power type:** 12VDC, 24VDC, 48VDC, 115VAC(d), 230VAC(i)

Notes: a.) When ordering 24VDC models, an HR or PR version is available that includes the DIN-Rail bracket attached. b.) When ordering hardened or premium AC models, the external power supply has an -Hd or -Hi OR a -Pd or -Pi to designate the level of power supply hardening. These AC models include an external 12vdc terminal block in addition to the external AC power supply jack.

4.) **Examples:**

Factory hardened, panel mount CSG14UH w/115 VAC power & a multi-mode SX/LC extended distance ports = **CSG14UH-Hd** ordered with an SFP-SX transceiver

Premium rated CSG14UP with sgl-mode LX/LC 10km fiber ports & 24VDC w/DIN-Rail bracket = **CSG14UPR-24VDC** ordered with an SFP-LX10 transceiver

5.) **Mounting Hardware for Converter Switches (panel mount brackets are standard)**

DIN-RAIL-MC2 DIN-Rail mounting hardware for "14-series" CS14 or MC or ES42/ESD42 Switches.

DUAL-SRC-24KIT Cable kit for 24VDC input to the DC power input jack of one CS14/CSG14/CSG14U/CSN14, any 24VDC model

MC14-TRAY Rack-mount tray for "14-series", CS14/CSG14/CSG14U or ES42/ESD42 Switches, 2.25"H, up to 16 units mix-match

MC14-TR+PS9 Same as MC14-TRAY, but incl. 9vdc PS & 10 connect. for CS14, CSG14, CSG14U, CSN14, 14E, ES42/ESD42 types.

The power supply is auto-ranging 110-240vac, 50-60Hz, rated at 40 watts and 50°C.

MC14-TR+PS9X2 Same as MC14-TR+9PS, but with 2nd 9vdc PS and 2 groups of 8 connectors for 14-series, CS, and ES.

Model Number	Ambient Temp			Power Input						Mount
	0° to +40° C	-25° to +60° C	-40° to +75° C	d,i AC external	Hd, Hi external +12V Term. Block	Pd, Pi AC +12V Term. Block	12V DC Term Block	24V DC Term Block	-48V DC Term Block	
Hardened for Factory Floor (CSG14UH-)										
CSG14UH-Hd, Hi		X			X		X			X
CSG14UH-12VDC		X					X			X
CSG14UH-24VDC		X						X		X
CSG14UHR-24VDC		X						X		DIN-Rail
CSG14UH-48VDC		X							X	X
Premium Rated for Outdoors (CSG14UP-)										
CSG14UP-Pd, Pi			X			X	X			X
CSG14UP-12VDC			X				X			X
CSG14UP-24VDC			X					X		X
CSG14UPR-24VDC			X					X		DIN-Rail
CSG14UP-48VDC			X						X	X