

# Magnum CSG14 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)

All CSG14 Converter Switches have three ports—two 10/100/1000 RJ-45 Copper and one Gb fiber.

2.) **Select fiber port(s) type “ff” selections of the “fiber flavor”:**

- “SX”= 1000BASE-SX-SC: fiber optic multi-mode with SC type, 550 m (2km per Power Budget)
- “ESX”= 1000BASE-SX: extended fiber optic multi-mode with SC type, 2 km (3km per Power Budget)
- “LX10”= 1000BASE-LX-SLC: fiber optic single-mode with LC, 10 km (22km per Power Budget)
- “LX25”= 1000BASE-LX-SLC: fiber optic single-mode with LC, 25 km (40km per Power Budget)
- “ZX40”= 1000BASE-LX-SLC: fiber optic single-mode LC, “Long Reach” 40 km (60km per Power Budget)
- “ZX70”= 1000BASE-LX-SLC: fiber optic single-mode with LC type , 70 km (90km per Power Budget)
- “SFP”= Open SFP transceiver slot

2b.) **If SFP is chosen, select Gb fiber transceivers (if any) for open SFP transceiver slot selections of the “fiber flavor”:**

- “SX”= 1000 Mb SX: fiber optic multi-mode with LC type, 550m (2km per Power Budget)
- “ESX”= 1000 Mb ESX: fiber optic multi-mode with LC type, 2 km (3km per Power Budget)
- “LX10”= 1000 Mb LX10: fiber optic single-mode w/ LC, 10 km (22km per Power Budget)
- “LX25”= 1000 Mb LX25: fiber optic single-mode with LC, 25 km (40km per Power Budget)
- “ZX40”= 1000 Mb ZX40: fiber optic single-mode LC, 40 km (60km per Power Budget)
- “ZX70”= 1000 Mb ZX70: fiber optic single-mode LC , 70 km (90km per Power Budget)



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 CSG14H w/115 VAC power & a multi-mode SX/SC port = **CSG14H-SX-Hd**  
Premium rated CSG14P w/ a sgl-mode LX/LC fiber port & 24VDC w/DIN-Rail bracket= **CSG14PR-LX10-24VDC**

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/CSN14, any 24VDC model

**MC14-TRAY** Rack-mount tray for “14-series” CS14 or MC or ES42/ESD42 Switches, 2.25”H, up to 16 units mix-match

**MC14-TR+PS9** Same as MC14-TRAY, but includes the 9vdc PS and ten connectors for CS14, 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						Mounting
	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	Panel Clips incl. or DIN-Rail Bracket
<b>Hardened for Factory Floor ( CSG14H- )</b>										
CSG14H-ff-Hd, Hi		X			X		X			X
CSG14H-ff-12VDC		X					X			X
CSG14H-ff-24VDC		X						X		X
CSG14HR-ff-24VDC		X						X		DIN-Rail
CSG14H-ff-48VDC		X							X	X
<b>Premium Rated for Outdoors ( CSG14P- )</b>										
CSG14P-ff-Pd, Pi			X			X	X			X
CSG14P-ff-12VDC			X				X			X
CSG14P-ff-24VDC			X					X		X
CSG14PR-ff-24VDC			X					X		DIN-Rail
CSG14P-ff-48VDC			X						X	X