

Magnum ESD42 Dual-Homing Edge Switches Configuration Guide

1.) **Select your application environment:** a.) Office Grade (0° to +40°C), b.) Hardened/Factory Floor Grade (-25° to +60°C), or c.) Premium/Outdoor Rated (-40° to +75°C).

2a.) **Select number of fiber ports.** All ESD42 Edge Switches have six ports—of which 0, 1, or 2 ports can be fiber.

2b.) **Select fiber port(s) type (if any)**

"ff" selections of the "fiber flavor":

- "ST"= 100BASE-FX-ST: fiber optic multi-mode with ST type, 2 km
- "SC"= 100BASE-FX-SC: fiber optic multi-mode with SC type, 2 km
- "SSC"= 100BASE-FX-SSC: fiber optic single-mode with SC, 20 km
- "SSCL"= 100BASE-FX-SSCL: fib. op. single-mode SC, "Long Reach" 40 km
- "SST"= 100BASE-FX-SST: fiber optic single-mode with ST type, 20 km
- "MTRJ"= 100BASE-FX-MTRJ: fiber optic multi-mode w/ MTRJ, 2 km
- "MLC"- 100BASE-FX-MLC: fiber optic multi-mode with LC-type, 2 km
- "SLC"- 100BASE-FX-SLC: fiber optic single-mode with LC-type, 20 km



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

Notes: a.) When ordering 24VDC hardened or premium 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 ESD42 w/115 VAC power and no fiber ports =**ESD42H-Hd**

Premium rated ESD42 w/ 2 multi-mode SC fiber ports & 24VDC with DIN-Rail bracket=**ESD42PR-2SC-24VDC**

Office grade, panel-mount ESD42 w/ 1 multi-mode MTRJ fiber port & 48VDC=**ESD42-1MTRJ-48VDC**

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

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

DUAL-SRC-24KIT Cable kit for 24VDC input to the DC power input jack of one ES42/ESD42, any 24VDC model

MC14-TRAY Rack-mount tray for "14-series" CS 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
Office Grade/Wiring Closet (ESD42-)										
ESD42-ff-d, i	X			X						X
Hardened for Factory Floor (ESD42H-)										
ESD42H-ff-Hd, Hi		X			X		X			X
ESD42H-ff-12VDC		X					X			X
ESD42H-ff-24VDC		X						X		X
ESD42HR-ff-24VDC		X						X		DIN-Rail
ESD42H-ff-48VDC		X							X	X
Premium Rated for Outdoors (ESD42P-)										
ESD42P-ff-Pd, Pi			X			X	X			X
ESD42P-ff-12VDC			X				X			X
ESD42P-ff-24VDC			X					X		X
ESD42PR-ff-24VDC			X					X		DIN-Rail
ESD42P-ff-48VDC			X						X	X

