

Magnum 6K8 Configuration Guide



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Magnum 6K8 Managed Field Switch, base unit. May be configured with a variety of 10/100/1000 Mb fiber and copper port connector types from a family of port modules. 8 ports max. Wire speed filtering and forwarding across all ports. Heavy duty metal case designed as a heat sink, rated IP53 for environmental protection, no fans.

Note: MNS-6K and MNS-6K-SECURE software are licensed for 6K switches.

Step 1. Choose 6K8 chassis and power input type:

Model #	Base Unit, Description
6K8	AC Power
6K8-24VDC	24V (18-36) DC power
6K8-48VDC	-48V (36-70) DC power
6K8-125VDC	125V (88-300) DC power
DUAL SRC	2 power inputs (24/48 or 125V)



Panel or DIN-Rail mounted

Step 2. Each 6K8 may be configured with one module from the list below: Note: If PoE module is desired, see PoE Configuration Guide.

Module Model #	10/100	10BASE-FL	100BASE-FX(MM)	100BASE-FX(SM)	Gigabit
6KP8V-RJ45	8				
6KP8V-45-2MT	6		2 (MTRJ)		
6KP8V-45-2SLC	6			2 (20km LC)	
6KP8V-45-2MLC	6		2 (LC)		
6KP6V-RJ10ST	4	2 (ST)			
6KP6V-RJMST	4		2 (ST)		
6KP6V-RJMSC	4		2 (SC)		
6KP6V-RJSSC	4			2 (20km SC)	
6KP6V-RJSSCL	4			2 (40km SC)	
6KP8V-45MT	4		4 (MTRJ)		
6KP8V-45MLC	4		4 (LC)		
6KP8V-45SLC	4			4 (20km LC)	
6KP4V-F10ST		4 (ST)			
6KP4V-FLSTFX		2 (ST)	2 (ST)		
6KP4V-FXST			4 (ST)		
6KP4V-FXSC			4 (SC)		
6KP6V-MT10ST		2 (ST)	4 (MTRJ)		
6KP8V-MTRJ			8 (MTRJ)		
6KP8V-MLC			8 (LC)		
6KP8V-SLC				8 (20km LC)	

Step 3 (Opt) Choose GBICs or SFPs for Gig Ports (if configured) in the slot:

Model #	Description (Ports for GBPM-COTX / 6KP5V-G4RJ/ 6KP3V-G2SC)
GBIC-SXSC	One 1000BASE-SX port with m.m. SC fiber connector
GBIC-LXSC10	One 1000BASE-LX/LH port 1310nm s.m. SC 10Km
GBIC-LXSC25	One 1000BASE-LX/LH port 1310nm s.m. SC 25Km
GBIC-TP	One IEEE 802.3ab TP port, RJ-45 connector
GBIC-ZXSC40	One 1000BASE-ZX port 1550nm s.m. SC 40Km
GBIC-ZXSC70	One 1000BASE-ZX port 1550nm s.m. SC 70Km

Gb SFP fiber optic transceivers

SFP-Model #	Description
SFP-GTP	Gb Copper
SFP-SX	Gb SX, 850nm wavelength, 550 meters distance
SFP-ESX	Gb SX, 1310nm wavelength, 2km distance
SFP-LX10	Gb LX, 1310nm wavelength, 10km distance
SFP-LX25	Gb LX, 1310nm wavelength, 25km distance
SFP-ZX40	Gb ZX, 1550nm wavelength, 40km distance
SFP-ZX70	Gb ZX, 1550nm wavelength, 70km distance

Gigabit Modules using GBICs (see Step 3)

6KP3V-G2SC			2 (SC)		1 GBIC
GBPMV-2OTX					2 GBIC

Gigabit Modules, fixed ports

6KP2V-2GCU					2 CU
6KP3V-1CU2FXT			2 (ST)		1 CU

Gigabit Modules, fixed ports—Using Small form factor(SFP) transceivers

6KP7V-1G2RJ4MLC, 6KP7V-1G2RJ4SLC, 6KP7V-1G2RJ4SLCL w/ 1 SFP Gb port, 2 10/100 RJ45 & 4 m-mode, sgl-mode or "long haul" sgl-mode fiber					
6KP7V-1GSFP6RJ	6				1 SFP
6KP2V-2GSFP					2 SFP
6KP2V-1GSFP1CU					1SFP, 1CU

Step 4. Choose options & extras:

Model #	Description
S-RING-KEY	Software, self-healing ring management
DIN-RAIL-6K8	DIN-Rail mounting brackets for one 6K8
CONSOLE-CBL	Console attachment cable serial null Modem (aka X-modem) cable with DB9 connectors
CONSOLE-USB	As above, but with a USB connector
CONFORM05-CRM	Conformal coating, 5 mil, for moisture protection
CONFORM08-CRM	Conformal coating, 8 mil, for corrosive environments