

# Magnum 6K16V Configuration Guide



**GarrettCom**  
Industrial Networking at Its Best™

**Magnum 6K16V Managed Fiber Switch, base unit**, for vertical mounting. May be configured with a variety of 10/100/1000 Mb fiber and copper port connector types via selection from a family of port modules. 16 ports max. Wire speed filtering/ forwarding across all ports, 2 alarm contacts. Metal brackets for vertical wall/ panel mounting included. *Note: MNS-6K and MNS-6K-SECURE software are licensed for 6K switches.*

**Step 1. Choose 6K16V chassis and power input type:**

Model #	Base Unit, Description
6K16V	AC Power
6K16V-24VDC	24V (18-36) DC power
6K16V-48VDC	-48V (36-70) DC power
6K16V-125VDC	125V (88-300) DC power

Vertically mounted



A Slot ↑ ↑ B Slot

**Step 2. Choose 1 module for slot A and/or B (may be blank):**  
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)	
6KP6V-RJ10ST	4	2 (ST)			
6KP6V-RJMST	4		2 (ST)		
6KP6V-RJMST	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 Slot A and/or B:**

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-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-COTX					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
6KP1V-1GSFP					1 SFP
6KP1V-1GCU					1 CU

**Step 4. Choose options & extras:**

Model #	Description
6KM-BLNK	Blank cover for 1 unused (A) module slot
DUAL-SRC	Two separate power inputs (24/ 48/ or 125V)
MNS-6K-SECURE	Optional, licensed per switch for extra security
S-RING-KEY	Software, self-healing ring management
DIN-RAIL-VRM	DIN-Rail mounting brackets for one 6K16V
DIN-VM16-KIT	Variable-height DIN-Rail mounting kit
CONSOLE-CBL	Console attachment cable serial null Modem (aka X-modem) cable with DB9 connectors
CONSOLE-USB	As above, but with a USB connector
CONFORMAL-CR	Conformal coating – request quote
ALARM-TERMBLK	2 Alarm contacts, included, std feature on 6K16V