

# Magnum 6K32F and 6K32FR Configuration Guide



**Magnum 6K32F and FR Managed Switches**, base unit is fiber-configurable managed switch. Provides four modular slots for configuration flexibility of up to 32 fiber or 10/100 ports (some PoE).

*Note: MNS-6K and MNS-6K-SECURE software are licensed for use on 6K Switches.*

## Step 1. Choose 6K32F or 6K32FR chassis and power input type:

Model #	Base Unit, Description
<b>6K32F</b>	Front mount with AC Power
<b>6K32F-24VDC</b>	Front mount with 24V (18-36) DC power
<b>6K32F -48VDC</b>	Front mount with -48V (36-70) DC power
<b>6K32F -125VDC</b>	Front mount with 125V (88-300) DC power

Model #	Base Units continued...
<b>6K32FR</b>	Reverse mount with AC Power
<b>6K32FR -24VDC</b>	Reverse mount with 24V (18-36) DC power
<b>6K32FR -48VDC</b>	Reverse mount with -48V (36-70) DC power
<b>6K32FR -125VDC</b>	Reverse mount with 125V (88-300) DC power

## Step 2. Choose 1 module for slots A, B, C & D (some may be blank)

**Note: If PoE module is desired, see PoE Configuration Guide:**

Module Model #	10/100	10BASE-FL	100BASE-FX(MM)	100BASE-FX(SM)	Gigabit
6KP8-RJ45	8				
6KP8-45-2MT	6		2 (MTRJ)		
6KP8-45-2SLC	6			2 (20km LC)	
6KP6-RJ10ST	4	2 (ST)			
6KP6-RJMST	4		2 (ST)		
6KP6-RJMST	4		2 (SC)		
6KP6-RJSSC	4			2 (20km SC)	
6KP6-RJSSCL	4			2 (40km SC)	
6KP8-45MT	4		4 (MTRJ)		
6KP8-45MLC	4		4 (LC)		
6KP8-45SLC	4			4 (20km LC)	
6KP4-F10ST		4 (ST)			
6KP4-FLSTFX		2 (ST)	2 (ST)		
6KP4-FXST			4 (ST)		
6KP4-FXSC			4 (SC)		
6KP6-MT10ST		2 (ST)	4 (MTRJ)		
6KP8-MTRJ			8 (MTRJ)		
6KP8-MLC			8 (LC)		
6KP8-SLC				8 (20km LC)	



## Step 3 (Opt) Choose SFPs or GBICs for Gig Ports

Gb SFP fiber optic transceivers	
<b>SFP-GTP</b>	Gb Copper
<b>SFP-SX</b>	Gb SX, 850nm wavelength, 550 meters distance
<b>SFP-ESX</b>	Gb SX, 1310nm wavelength, 2km distance
<b>SFP-LX10</b>	Gb LX, 1310nm wavelength, 10km distance
<b>SFP-LX25</b>	Gb LX, 1310nm wavelength, 25km distance
<b>SFP-ZX40</b>	Gb ZX, 1550nm wavelength, 40km distance
<b>SFP-ZX70</b>	Gb ZX, 1550nm wavelength, 70km distance

Model #	Description (Ports for GBPM-COTX / 6KP5-G4RJ/ 6KP3-G2SC)
<b>GBIC-SXSC</b>	One 1000BASE-SX port with m.m. SC fiber
<b>GBIC-LXSC10</b>	One 1000BASE-LX/LH port 1310nm s.m. SC 10Km
<b>GBIC-LXSC25</b>	One 1000BASE-LX/LH port 1310nm s.m. SC 25Km
<b>GBIC-TP</b>	One IEEE 802.3ab TP port, RJ-45 connector
<b>GBIC-ZXSC40</b>	One 1000BASE-ZX port 1550nm s.m. SC 40Km
<b>GBIC-ZXSC70</b>	One 1000BASE-ZX port 1550nm s.m. SC 70Km

### Gigabit Modules, fixed ports--Using Small form factor(SFP) transceivers (see Step 3)

6KP7-1GSFP6RJ	One SFP Gigabit Port and Six 10/100 Mb RJ45 ports
6KP7-1G2RJ4MLC, 6KP7-1G2RJ4SLC, 6KP7-1G2RJ4SLCL w/ 1 SFP Gb port, 2 10/100 RJ45 & 4 m-mode, sgl-mode or "long haul" sgl-mode fiber	
6KP2-2GSFP	2 SFP
6KP2-1GSFP1CU	1SFP, 1CU
6KP1-1GSFP	1 SFP
6KP1-1GCU	1 CU

### Gigabit Modules using GBICs (see Step 3)

6KP3-G2SC	2 (SC)	1 GBIC
GBPM-COTX		1 GBIC
GBPM-2OTX		2 GBIC

### Gigabit Modules, fixed ports

6KP2-2GSX		2 SX
6KP2-2GCU		2 CU
6KP3-1CU2FXT	2 (ST)	1 CU

## Step 4. Choose options & extras:

Model #	Description
<b>6KM-BLNK</b>	Blank cover for 1 unused (A) module slot
<b>DUAL-SRC</b>	Two separate power inputs (24/ 48/ or 125V)
<b>ALARM-TERMBLK</b>	Alarm contacts, 1 power and 1 software
<b>MNS-6K-SECURE</b>	Optional, licensed per switch for extra security
<b>S-RING-KEY</b>	Software, self-healing ring management
<b>RMB-23W</b>	23" 'Telco' rack-mount kit (1U)
<b>RMB-ETSI</b>	ETSI rack-mount kit (1U)
<b>CONSOLE-CBL</b>	Console attachment cable serial null Modem (aka X-modem) cable with DB9 connectors
<b>CONSOLE-USB</b>	As above, but with a USB connector
<b>CONFORMAL-CR</b>	Conformal coating – request quote