

# Magnum 6K32FC and 6K32FRC Configuration Guide



**GarrettCom**  
Industrial Networking at Its Best™

**Magnum 6K32FC and FRC Managed Switches**, base unit is fiber-configurable convection-cooled managed switch. Provides 4 modular slots for configuration flexibility of up to 8 Gb ports or 16 std fiber ports or 32 copper ports (some PoE). *Note: MNS-6K and MNS-6K-SECURE software are licensed for 6K's.*

## Step 1. Choose 6K32FC or 6K32FRC chassis and power input type:

Model #	Base Unit, Description
6K32FRC	Reverse mount with AC Power
6K32FRC -24VDC	Reverse mount with 24V (18-36) DC power
6K32FRC -48VDC	Reverse mount with -48V (36-70) DC power
6K32FRC-125VDC	Reverse mount with 125V (88-300) DC power
6K32FRC-250VDC	Reverse mount with 250V (88-300) DC power
6K32FRC-2AC	Reverse mount w/ 2 internal AC power supplies
6K32FRC-2DC125	Reverse mount with 2 internal 125 DC power
6K32FRC-2DC250	Reverse mount with 2 internal 250 DC power

Model #	Base Units continued...
6K32FC	Front mount with AC Power
6K32FC-24VDC	Front mount with 24V (18-36) DC power
6K32FC-48VDC	Front mount with -48V (36-70) DC power
6K32FC -125VDC	Front mount with 125V (88-300) DC power
6K32FC -250VDC	Front mount with 250V (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

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

Model #	Description (Ports for GBPM-COTX / 6KP5-G4RJ/ 6KP3-G2SC)
GBIC-SXSC	One 1000BASE-SX port with m.m. SC fiber
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

## Step 4. Choose options & extras:

Model #	Description
6KM-BLNC	Blank cover for 1 unused (A) module slot
DUAL-SRC	Two separate power inputs (24/ 48/125 or 250V)
ALARM-TERMBLK	Alarm contacts, 1 power and 1 software
MNS-6K-SECURE	Optional, licensed per switch for extra security
S-RING-KEY	Software, self-healing ring management
RMB-23W	23" 'Telco' rack-mount kit (1U)
RMB-ETSI	ETSI rack-mount kit (1U)
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

### Gb Modules, fixed ports--Using 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		
6KP5-1CU4RJ	4 10/100 RJ45	1 CU (fixed Gb copper)
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

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