

Magnum 6KQ Configuration Guide

Magnum 6KQ Configurable Managed Field Switch, base unit with DC power supply and four 10/100 copper ports. May be configured with a variety of 10/100/1000 Mb fiber and copper port connector types via selection from a family of 6KQ port modules per the 6KQ Configuration Guide. 16 ports max. Heavy duty fully enclosed metal case designed with ribbed surface for heat dissipation, used as a heat sink, rated IP52 for environmental protection, no fans. Includes two Alarm Contacts (1 PWR, 1 software controlled), metal bracket for vertical wall or panel mounting, DIN-Rail optional. Wire speed filtering and forwarding across all ports. For licensed network management software information (MNS-6K, S-Ring, Dual-Homing, IGMP-L2, Security, etc.), see their respective data sheets.

Step 1. Slot A: Choose 6KQ chassis and power input type:

Note, this slot has four fixed RJ-45 ports. Ports may be Standard 10/100 or 10/100 PoE (-48VDC only)

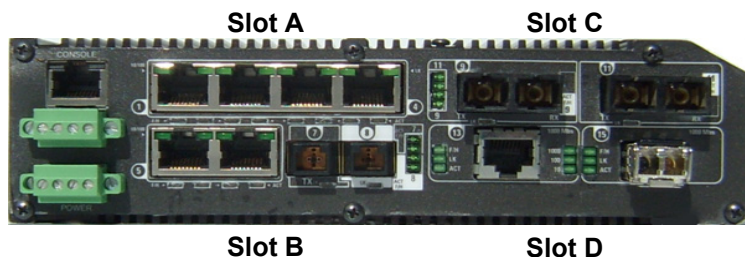
Model #	Base Unit, Description
6KQ-12VDC	12V DC power, slot A has 4 10/100 ports
6KQ-24VDC	24V (18-36) DC power, slot A has 4 10/100 ports
6KQ-48VDC	-48V (36-70) DC power, slot A has 4 10/100 ports
6KQ-125VDC	125V (88-150) DC power, slot A has 4 10/100 ports
6KQ-250VDC	250V (160-300) DC power, slot A has 4 10/100 ports
6KQP-48VDC	-48V (36-70) DC power, slot A has 4 PoE 10/100 ports

Step 2. Slot B: Choose one module from below:

Module Model #	10/100	10BASE-FL	100BASE-FX(MM)	100BASE-FX(SM)
6KQ4-RJ45	4			
6KQ4-RJMT	2		2 (MTRJ)	
6KQ4-RJMLC	2		2 (2km LC)	
6KQ4-RJSLC	2			2 (20km LC)
6KQ3-RJMISC	2		1 (SC)	
6KQ2-10ST		2 (ST)		
6KQ2-MST			2 (ST)	
6KQ2-MSC			2 (SC)	
6KQ2-SSC				2 (20km SC)
6KQ2-SSCL				2 (40km SC)
6KQ4-MT			4 (MTRJ)	
6KQ4-MLC			4 (LC)	
6KQ4-SLC				4 (20km LC)
<i>PoE Module (Slot B only) prerequisite is PoE base unit</i>				
P6KQ4-RJ45	4			

Step 3. Slot C: Choose one module from below:

Module Model #	100BASE-FX(MM)	100BASE-FX(SM)
6KQF-2MST	2 (ST)	
6KQF-1MST	1 (ST)	
6KQF-2MSC	2 (SC)	
6KQF-1MSC	1 (SC)	
6KQF-2SSC		2 (20km SC)
6KQF-1SSC		1 (20km SC)
6KQF-2SSCL		2 (40km SC)
6KQF-1SSCL		1 (40km SC)
6KQF-4MT	4 (MTRJ)	
6KQF-2MT	2 (MTRJ)	
6KQF-4MLC	4 (LC)	
6KQF-2MLC	2 (LC)	
6KQF-4SLC		4 (20km LC)
6KQF-2SLC		2 (20km LC)



Step 4. Slot D: Choose one module from the Step 2 list, (OR choose from the following for Gigabit. (Gb is only available in slot D. No PoE in slot D).

Module Model #	Gigabit
<i>Gb Modules, fixed ports--SFP</i>	
6KQ-2GSFP	2 SFP
6KQ-2GCU	2 CU
6KQ-2GSFPCU	1SFP, 1CU
6KQ-1GSFP	1 SFP
6KQ-1GCU	1 CU

<i>Gb SFP fiber optic transceivers</i>	
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

Step 5. Choose options and extras:

Model #	Description
DIN-Rail-6KQ	DIN-Rail mount
6KQ-BLNK	Blank cover for 1 unused module slot
DUAL-SRC	Two separate (dual-source) power inputs available at 12, 24, 48 and 125VDC
CONSOLE-CBLQD	Console attachment cable serial null Modem cable with one RJ-45 for the 6KQ and a DB-9
S-RING-KEY	Software, self-healing ring management
CONSOLE-CBLQU	Console attachment cable serial null Modem cable with one RJ-45 for the 6KQ and a USB
CONFORM05-CRM	Conformal coating, 5 mil, for moisture protect
CONFORM14-CRM	Conformal coating, 14 mil, for oil & gas industry
KQ-CABLE-BKT	Bracket for cable tie-wrap attachment
PSAC-24V60	AC to 24VDC, 60 watts, panel or DIN-Rail
PSAC-48V150	AC to 48VDC, 150 watts, panel or DIN-Rail