

Magnum 6KQE Configuration Guide

Magnum 6KQE Configurable Managed Edge 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 6KQE port modules per this 6KQE Configuration Guide. 10 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, MNS-6K-SECURE, and S-Ring), see their respective data sheets.

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

Model #	Base Unit, Description
6KQE-24VDC	24V (18-36) DC power, slot A has 4 10/100 ports
6KQE-12VDC	12V DC power, slot A has 4 10/100 ports
6KQE-48VDC	-48V (44-57) DC power, slot A has 4 10/100 ports
6KQEP-48VDC	-48V (44-57) DC power, slot A has 4 PoE 10/100 ports
6KQE-125VDC	125V (88-150) DC power, slot A has 4 10/100 ports
6KQE-250VDC	250V (160-300) DC power, slot A has 4 10/100 ports
6KQE-AC	100 to 240 VAC, 47 to 63 Hz, slot A has 4 10/100 ports



Step 2. Slot C: If more than 4 ports at 10/100 or fiber at 100Mb is desired, choose one module from below.

Slot C is always **four** ports, of which a maximum of three may be 100Mb fiber, SFF only. Note: if PoE is selected for Slot A, there is a maximum of **two** fiber ports in Slot C.

Module Model #	10/100 RJ-45 Copper	100BASE-FX Fiber SFF
6KQE4-RJ45	4	
6KQE4-1MMRJ	3	1 mm MTRJ
6KQE4-2MMRJ	2	2 mm MTRJ
6KQE4-3MMRJ	1	3 mm MTRJ
6KQE4-1MLC	3	1 mm LC 2km
6KQE4-2MLC	2	2 mm LC 2km
6KQE4-3MLC	1	3 mm LC 2km
6KQE4-1SLC	3	1 sgl.m LC 20km
6KQE4-2SLC	2	2 sgl.m LC 20km
6KQE4-3SLC	1	3 sgl.m LC 20km
6KQE4-1SLCL	3	1 sgl.m LC 40km
6KQE4-2SLCL	2	2 sgl.m LC 40km
6KQE4-3SLCL	1	3 sgl.m LC 40km

Step 3. Slot D: Choose from the following for optional Gb. (Gb is only available in slot D. Slot D may only be Gb).

Module Model #	Gigabit
Gb Modules, fixed ports--SFP	
6KQE-2GSFP	2 SFP
6KQE-2GCU	2 CU
6KQE-1GSFP	1 SFP
6KQE-1GCU	1 CU

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

Step 4. Choose options and extras:

Model #	Description
DIN-Rail-6KQ	DIN-Rail mount for 6KQ and 6KQE
DUAL-SRC	Two separate power inputs (12/24/ 48/ or 125VDC)
S-RING-KEY	Software, self-healing ring management
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 protect.
CONFORM08-CRM	Conformal coating, 8 mil, for corrosive environ.
KQ-CABLE-BKT	Bracket for cable tie-wrap attachment