

Magnum 6KL Configuration Guide

Magnum 6KL 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 6KL port modules per this 6KL Configuration Guide. 10 ports max. Heavy duty fully enclosed metal case 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 6KL chassis and power input type:

Model #	Base Unit, Description
6KL-24VDC	24V (18-36) DC power, slot A has 4 10/100 ports
6KL-12VDC	12V (10-15) DC power, slot A has 4 10/100 ports
6KL-48VDC	-48V (44-57) DC power, slot A has 4 10/100 ports
6KLP-48VDC	-48V (44-57) DC power, slot A has 4 PoE 10/100 ports
6KL-125VDC	125V (88-150) DC power, slot A has 4 10/100 ports
6KL-250VDC	250V (160-300) DC power, slot A has 4 10/100 ports
6KL-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 four may be 100Mb

Module Model #	10/100 RJ-45 Copper	100BASE-FX Fiber SFF	Module Model #	10/100 RJ-45 Copper	100BASE-FX Fiber SFF
6KL4-RJ45	4	0	6KL4-1MT3RJ	3	1 mm MTRJ 2km
P6KL4-RJ45 (requires 6KLP-48VDC chassis)	4 (PoE 802.3af)	0	6KL4-1MLC3RJ	3	1 mm LC 2km
6KL4-4MLC	0	4 mm LC 2km	6KL4-1SLC3RJ	3	1 sgl.m LC 20km
6KL4-2MLC2RJ	2	2 mm LC 2km	6KL4-1SLCL3RJ	3	1 sgl.m LC 40km
6KL4-4SLC	0	4 sgl.m LC 20km	6KL1-1MT	0	1 mm MTRJ 2km
6KL4-2SLC2RJ	2	2 sgl.m LC 20km	6KL1-1MLC	0	1 mm LC 2km
6KL4-4SLCL	0	4 sgl.m LC 40km	6KL1-1SLC	0	1 sgl.m LC 20km
6KL4-2SLCL2RJ	2	2 sgl.m LC 40km	6KL4-1SLCL	0	1 sgl.m LC 40km
6KL4-4MT	0	4 mm MTRJ 2km	6KL4-1SL3MLC	0	1 mm LC 2km 3 sgl.m LC 20km
6KL4-2MT2RJ	2	2 mm MTRJ 2km	6KL4-2SL2MLC	0	2 mm LC 2km 2 sgl.m LC 20km
6KL4-4MSC	0	4 mm SC 2km	6KL4-1ML1SLC2RJ	2	1 mm LC 2km 1 sgl.m LC 20km
6KL4-2MSC2RJ	2	2 mm SC 2km	6KL4-2SSC2RJ	2	2 sgl.m SC 20km
6KL4-4MST	0	4 mm ST 2km	6KL4-4SSC	0	4 sgl.m SC 20km
6KL4-2MST2RJ	2	2 mm ST 2km	6KL4-4SSCL	0	4 sgl.m SC 40km
6KL4-2SLC2MLC	0	2 mmSC, 2smSC			

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

Module Model #	Gigabit
Gb Modules, fixed ports--SFP	
6KL-2GSFP	2 SFP
6KL-2GCU	2 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-6KL	DIN-Rail mount for 6KL
KL-2TRAY	Rack-mount tray for 2 6KM for 19" mounting
DUAL-SRC	2 separate power inputs (12/24/48/125V)
S-RING-KEY	Software, self-healing ring management
CONSOLE-CBLQD	Console attachment cable serial null Modem (aka X-modem) cable with DB9 connectors
CONSOLE-CBLQU	As above, but with a USB connector
CONFORM05-CRM	Conformal coating, 5 mil, for moisture protection
CONFORM08-CRM	Conformal coating, 8 mil, for corrosive environ.
MNS-6K-SECURE	Optional, licensed per switch for extra security

