FlexSwitch™

FlexSwitch™ 2X4GT
Six-Port Ethernet Switch with Two 10G Ports and Four 10/100/1000 Ports

The FlexSwitch™ 2X4GT is a six-port Ethernet switch with four 10/100/1000 RJ-45 ports, one 10G (10GBASE-R) SFP+ or XFP fiber port, and one RJ-45 port that auto-negotiates to Gigabit or 10G (1000BASE-T/10GBASE-T). FlexSwitch 2X4GT models that support 10G SFP+ transceivers also support Gigabit transceivers for a seamless upgrade path from Gigabit to 10G. This compact unmanaged standalone unit offers rate-switching, and MAC learning for bridging Gigabit and 10 Gigabit Ethernet networks.

The 10G fiber port is compatible with all MSA compliant 1G SFP, 10G SFP+ and XFP transceivers (depending on the model), including xWDM optics, 10GBASE-LRM, and direct attach cables. The 1G/10G RJ-45 port is capable of full data rate up to 100 meter of CAT-6A (or better) cabling, and conserves energy by operating in Short Reach mode when the cabling is less than 30 meters.

The four RJ-45 ports support 10/100/1000Mbps bridging, with auto-negotiation for data-rate and duplex mode. The RJ-45 ports also support auto MDI/MDI-X, eliminating the need for crossover cables.

APPLICATION

The 2X4GT can connect up to five computers, storage devices, and printers within a local workstation network. The 10Gigbit Ethernet fiber uplink can connect the workgroup network to a 10G core switch which is part of the enterprise network.
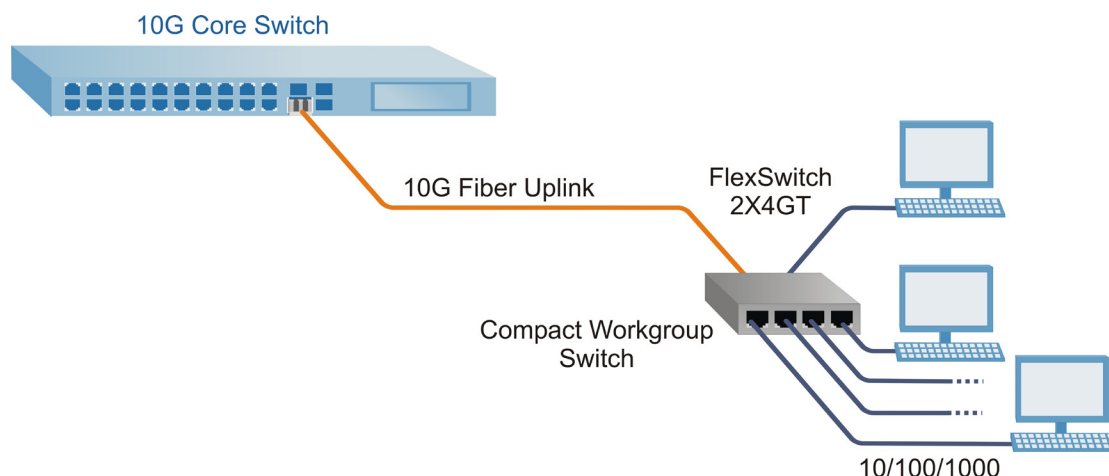
The 2X4GT is compact and easy to use, and does not require user configuration for plug-and-play installation with features such as auto-negotiation and auto-crossover.

Front

Rear
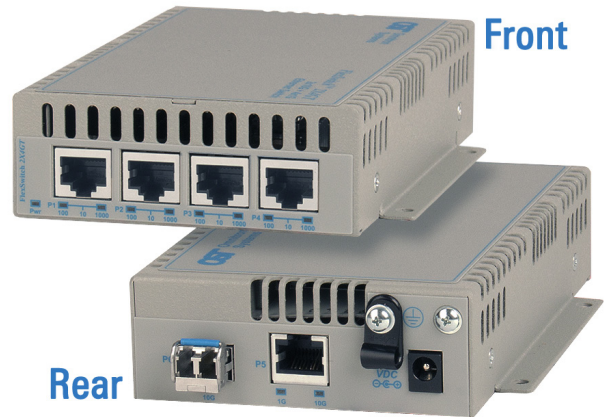
SFPs not included

FEATURES

- 1x 1G/10G fiber port, 1x 1000BASE-T/10GBASE-T port, and 4x 10/100/1000BASE-T ports

- Supports MAC learning

- LEDs for power, port link/activity, data rates and transceiver status

- DC power input via barrel connector using external AC adapter or 2-Pin terminal connector

- 10,056 maximum frame size

- Can be wall-mounted and rack-mounted

- Commercial (0 to 50ºC), wide (-40º to 60ºC) and extended (-40º to 75ºC) temperature ranges

10G Core Switch

10G Fiber Uplink

FlexSwitch 2X4GT

Compact Workgroup Switch

10/100/1000

OST Omnitron Systems

SPECIFICATIONS

Description	FlexSwitch 2X4GT Six-Port Ethernet Switch	
Compliances*	UL, CE, FCC Class B[1], NEBS Level 3, RoHS2, WEEE	
Frame Size	Up to 10,056 bytes	
Port Types	Copper:	10/100/1000BASE-T (RJ-45) 1000BASE-T (RJ-45) 10GBASE-T (RJ-45)
	Fiber:	1000BASE-X (SFP) 10GBASE-R (SFP+ or XFP)
Cable Types	Copper:	10/100/1000BASE-T: EIA/TIA 568 A/B, Category 5 and higher 10GBASE-T: EIA/TIA 568 C, Category 6A and higher
	Fiber:	Multimode: 50/125um, 62.5/125um Single-mode: 9/125um
Power Requirements	AC Power Adapter:	100 - 240VAC/50 - 60Hz 0.228A @ 120VAC (max)
	DC Barrel Connector:	9 - 16VDC, 2.64A max 2.5mm Barrel Connector
Temperature	Commercial: Wide: Extended: Storage:	0 to 50° C -40 to 60° C -40 to 75° C -40 to 80° C
Dimensions	W: 5" x D: 7.5" x H: 1.375", L: 127 mm x B: 190.5 mm x H: 34.93 mm	
Weight	1.5 lbs (0.68 kg)	
Humidity	5% to 95% (non-condensing)	
Altitude	-100m to 4,000m (operational)	
MTBF (hrs)	with 2-Pin Connector: with Power Adapter:	244,000 134,000
Warranty	Lifetime warranty and 24/7/365 free Technical Support	

* Regulatory Compliances Pending
[1] Requires the use of shielded twisted pair cabling

ORDERING INFORMATION

Model Number	Fiber Port Type	10G RJ-45 Port	Power Input Type
6900-0-01	SFP+	0	AC/DC Power Adapter
6900-0-09	SFP+	0	2-Pin Terminal
6900-0-11	SFP+	1	AC/DC Power Adapter
6900-0-19	SFP+	1	2-Pin Terminal
6900-1-01	XFP	0	AC/DC Power Adapter
6900-1-09	XFP	0	2-Pin Terminal
6900-1-11	XFP	1	AC/DC Power Adapter
6900-1-19	XFP	1	2-Pin Terminal
Contact Omnitron for other configurations			
For wide temperature (-40 to 60°C), add a "W" to the end of the model number. For extended temperature (-40 to 75°C), add a "Z" to the end of the model number.			

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