

GIGABIT ETHERNET RACKMOUNT SWITCH USER MANUAL

MODELS 524148
& 524162



Shown: Model 524148, 16-Port



INT-524148/524162-UM-0608-01

Thank you for purchasing the INTELLINET NETWORK SOLUTIONS™ Gigabit Ethernet Rackmount Switch, Model 524148 (16-port) or 524162 (24-port).

Designed for medium- to large-size workgroups, this device's Gigabit Ethernet ports provide the performance your network needs to handle the quick transfer speeds that support disk mirroring, data backup, graphics image file transfers and other bandwidth-intensive applications.

Auto features make it easy to use, too. No configuration is required, making installation Plug and Play and hassle free. Auto-MDI/MDI-X on all ports eliminates the need for crossover cables, and each port senses the link speed of any connected network device automatically, adjusting to 10, 100 or 1000 Mbps for compatibility and maximum performance.

Simple setup means you'll soon be enjoying these additional features:

- Supports NWay auto-negotiation
- Store and forward switching architecture
- Supports 802.3x flow control for full duplex mode and collision-based backpressure for half duplex mode
- 19" rackmount brackets
- Wire-speed packet filtering and forwarding rate
- Supports up to 8192 MAC address entries and jumbo frames up to 9.6 kBytes
- 340 kBytes (16-port) or 500 kBytes (24-port) buffer memory
- Lifetime Warranty

FCC Warning

This device has been tested and found to comply with limits for a Class B digital device, pursuant to Parts 2 and 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates and radiates radio frequency energy and, if not installed and used in accordance with the user's manual, may cause interference, in which case the user will be required to correct such interference at his own expense.

CE Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

FRONT PANEL

LEDs

Shown: Model 524148, 16-Port



LED	Status	Operation
Power	On	Unit is receiving power.
	Off	Unit is not receiving power.
LINK/ACT	On	Corresponding port is connected.
	Off	Corresponding port is not connected.
	Flashing	Corresponding port is transmitting/receiving data.
1000M	On	Port is transmitting/receiving data at 1000 Mbps.
	Off	Port is transmitting/receiving data at 10 or 100 Mbps.

REAR PANEL

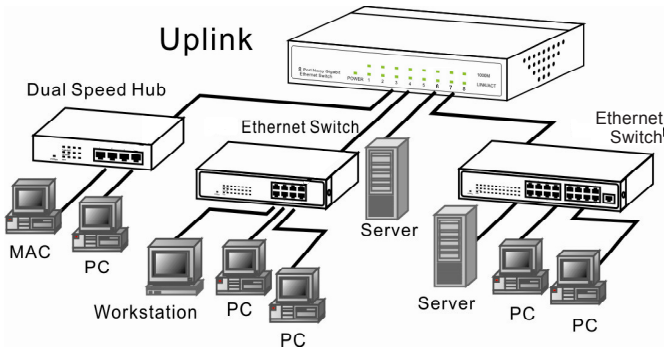
Power

Power to the Gigabit Ethernet Rackmount Switch is supplied by plugging the included power cable into the socket to the right of the on/off switch on the rear panel.



Switch/Hub/PC and Other Network Connections

The Gigabit Ethernet Rackmount Switch provides automatic crossover detection for all ports, so it's ready for connection to other switches, hubs, PCs, servers and such without the need for crossover cable.



SPECIFICATIONS

Standards

- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3ab (Twisted Pair Gigabit Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3x (flow control, for full duplex mode)

General

- Media support:
 - 10Base-T Cat3, 4, 5 UTP/STP RJ-45
 - 100Base-TX Cat5 UTP/STP RJ-45
 - 1000Base-T Cat5e UTP/STP RJ-45
- Packet filter/forwarding rate:
 - 1,488,000 pps (1000 Mbps)
 - 148,800 pps (100 Mbps)
 - 14,880 pps (10 Mbps)
- Buffer memory:
 - 16-Port: 340 kBytes
 - 24-Port: 500 kBytes
- MAC address table: 8192 entries
- Backplane speed:
 - 16-Port: 32 Gbps
 - 24-Port: 48 Gbps
- Switch architecture: store and forward
- 16/24 RJ-45 Gigabit Ethernet ports
- Certifications: FCC Class B, CE Mark

LEDs

- Power
- Link Speed per port: 1000 Mbps
- Link/Activity per port

Power

- Internal power supply, 100 – 240 V AC, 50/60 Hz
- Power consumption:
 - 16-Port: 20 Watts (maximum)
 - 24-Port: 25 Watts (maximum)

Environmental

- Metal housing, 19" rackmount, 1 U
- Dimensions: 440 (W) x 220 (L) x 44 (H) mm (17.4 x 8.6 x 1.7 in.)
- Weight:
 - 16-Port: 2.9 kg (6.4 lbs.)
 - 24-Port: 3.0 kg (6.5 lbs.)
- Operating temperature: 0 – 55°C (32 – 131°F)
- Operating humidity: 10 – 90% RH, non-condensing
- Storage temperature: -20 – 90°C (-4 – 194°F)

Package Contents

- Gigabit Ethernet Rackmount Switch
- Power cable
- 19" rackmount brackets
- User manual