

USR997924A

24-Port 10/100 Ethernet Switch

wired networking

The U.S. Robotics 24-Port 10/100 Ethernet Switch is the answer for small and medium sized business that want to expand their local area networks. Each port supports auto-switching is auto-sensing, simplifying network design. It also includes 4.8 Gbps of switching power, so each port can operate in the full-duplex mode of 200 Mbps if required. This switch provides robust and reliable performance at a great value.

U.S. Robotics®



Features and Benefits

Easily add capacity to your office network

Reliable, High-Performance Network Expansion

- 24 Independent RJ-45 ethernet ports
- Full-duplex support with a full 4.8 Gbps of switching power allowing up to 200 Mbps per port - ideal for multimedia, intensive software applications, streaming media and more

Auto-Sensing & Auto-Switching

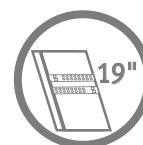
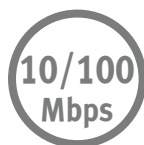
- No need for crossover cables or dedicated uplink port
- Each independently switching port is capable of both 10 Mbps and 100 Mbps speeds

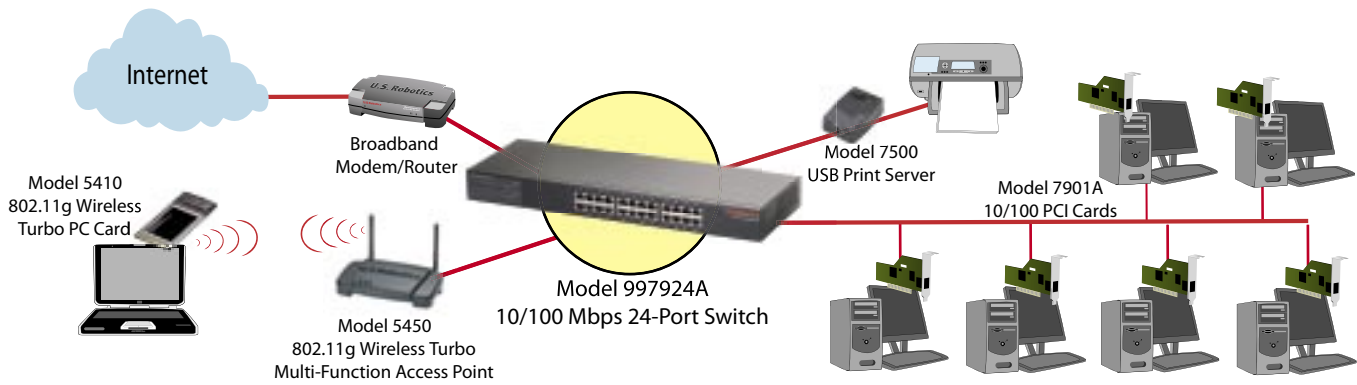
Easy to Install and Use

- There is no software to install or configure
- Multiple LEDs indicate individual port status and power

Smooth Integration

- 19 inch units mount easily in existing equipment racks with included bracket kit





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Specifications and Standards

- Maximum Bandwidth:
 - o Full duplex: 200 Mbps (for 100BASE-TX), 20 Mbps (for 10BASE-T)
 - o Half duplex: 100 Mbps (for 100BASE-TX), 10 Mbps (for 10BASE-T)
- Operates at maximum forwarding rate and provides frame filtering and forwarding functions for each port
 - o 14,880 packets per second for 10 Mbps ports
 - o 148,800 packets per second for 100 Mbps ports
- Store-and-forward scheme to forward packets
- MAC address table: 8000 entries
- SRAM: Built-in 320 KB
- Ethernet Standards:
 - o IEEE 802.3 10BASE-T Ethernet
 - o IEEE 802.3u 100BASE-TX Class II Fast Ethernet
 - o IEEE 802.3x Flow Control
 - Half-duplex: Back pressure
 - Full-duplex: Pause frame
- MTBF: > 50,000 Hours

Interfaces

- 24 RJ-45, 10/100 Mbps Ethernet LAN ports - auto-switching/auto-sensing
- 100BASE-TX mode supports Category 5 STP or UTP Ethernet cable
- 10BASE-T mode supports Category 3, 4, and 5 STP or UTP Ethernet cable

AC Power (Internal Power Supply)

- Input voltage: 100/240 V AC
- Power output: 3.3 VDC@4A, 5VDC@0.3A
- Power consumption: 15 W (Max)

Environmental Specifications

- Temperature Range
 - o Operating: 32 degrees ~ 113 degrees F (0 degrees ~ 45 degrees C)
 - o Storage: -13 degrees ~ 167 degrees F (-25 degrees ~ 75 degrees C)
- Humidity
 - o Operating: 10% ~ 90% non-condensing
 - o Storage: 0% ~ 95% non-condensing

Regulatory/Agency Approvals

EMC

- FCC Part 15 subpart B Class B
- EN55022 Class B, EN55024, (CE)

Safety

- UL/CUL (C.22.2.950,UL60950), EN60950, (CE)
- Power cord: NA, UK and European

Dimensions/Weight

- Chassis Dimensions: 17.2 in x 6 in x 1.75 in (437mm x 152mm x 44.5mm)
- Package Dimensions: 19.685 x 9.449 x 3.307 inches (50 x 24 x 8.4 cm)
- 7.07 lbs (3.21 kg)

Language Support

- Retail box: English, French, German, Spanish, Italian, Dutch
- Install & User guides: English, French, German, Spanish, Italian, Dutch, Portuguese, Czech, Polish, Russian, Hungarian, Turkish

Minimum Systems Requirements

- Any computer with an Ethernet adapter (Network Interface Card)
- One Category 5 Ethernet cable with RJ-45 connector per networked computer - no crossover cables required

Package Contents

- 10/100 24-Port Ethernet Switch
- Regional Power Cords (NA, UK and European)
- Quick Installation Guide

Warranty

- 2-year limited manufacturer warranty from date of purchase



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