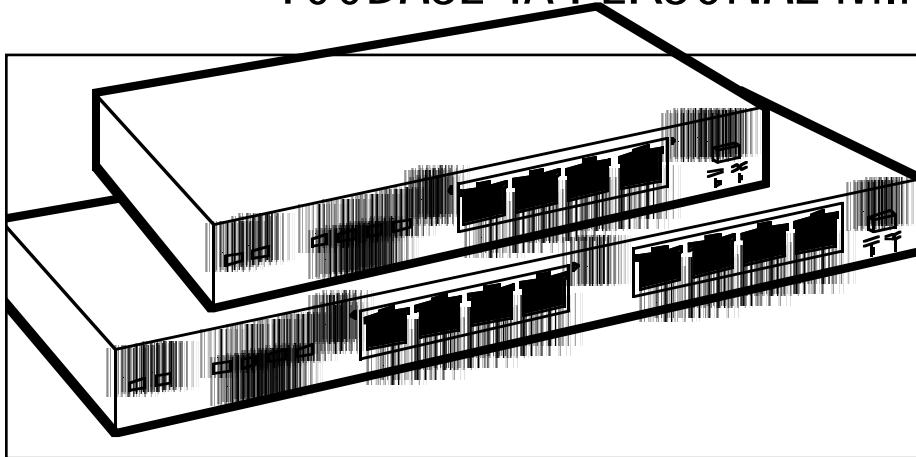




BLACK BOX[®]

NETWORK SERVICES

100BASE-TX PERSONAL MINI HUBS



Take advantage of your network's 100-Mbps performance with this compact MiniHub.

Key Features

- ▶ **Compact size makes these MiniHubs perfect for trade shows, demos, test and eval systems, offices, labs, or any place where a few computers are networked.**
- ▶ **Increase your number of ports by adding a MiniHub to an already existing network.**
- ▶ **Easy installation—connect the MiniHub to NICs or 10/100 switches via Category 5 twisted-pair cabling.**
- ▶ **Complies with IEEE 802.3u 100-Mbps specifications.**
- ▶ **No DIP switches to set or software to load.**

Get 100-Mbps performance in a compact MiniHub for both the individual office and the workgroup. Simply connect 100BASE-TX Personal MiniHubs to 10/100 NICs via standard Category 5 twisted-pair wiring. These rugged Fast Ethernet hubs can make your network work up to 10 times faster than 10BASE-T hubs.

The 4-Port 100BASE-TX Personal MiniHub makes it easy for power users to access Fast Ethernet. Use the MiniHub as a standalone hub in an office with up to four Fast Ethernet devices. When it's connected into a larger network such as a port on a 100-Mbps hub, it gives you three additional local Fast Ethernet ports without additional wiring. An up-link switch on port 4 allows users either to share access to network resources upstream or to be isolated from the upstream network for full 100-Mbps network bandwidth locally.

Network status information is easy to monitor via the front-mounted LEDs. Both power and collision LEDs, as well as a utilization percentage bar graph, are provided. In addition, each port has LINK/RX activity and Partition LEDs to indicate the condition of the segment on that port.

The Hub comes with an external 115-VAC power supply, a rugged metal case, and mounting brackets.

The 8-Port 100BASE-TX Personal MiniHub has everything the smaller model has—plus four more ports. It provides both capacity and speed for small workgroups needing Fast Ethernet. It's ideal when you need to connect performance-oriented workgroups and small departments, multi-system power users, or testing systems—or when you need to expand existing high-performance Fast Ethernet segments.

Both MiniHubs support standard IEEE 802.3u auto-negotiation of 10/100 speed, and 10/100 NICs connected into the MiniHub will automatically go to 100-Mbps operating speed. Category 5 wiring is required for 100-Mbps segments. The uplink switch simplifies cascading, permitting greater configurability and easy network expansion. Existing 100-Mbps hubs or switches may be connected using port #4 or #8 (depending on the model), with no crossover cable required. Networks using the 100BASE-TX Personal MiniHub should conform to the standards for Class II Fast Ethernet hubs.

The Hub comes with an external 115-VAC power supply, a rugged metal case, and mounting brackets.

Specifications

Data Rate: 100 Mbps

Network Standards: Ethernet IEEE 802.3u, 100BASE-TX; supports 802.3u auto-negotiation for connected devices; the MiniHubs are physical-layer Ethernet hubs and operate independently of all software.

Partitioning: Enforced after 63 consecutive collisions

Auto-reconnect: Occurs after one packet of error-free reception

PDV: Exceeds Class II specifications

Network Cable Connectors: Ports are shielded RJ-45 female; For 100 Mbps, use Category 5 UTP/STP

Indicators:

Common: PWR for power, COL for collision, % UTILIZATION to indicated traffic level as bar graph;
Per Port: LINK/RX on when twisted-pair link is operational, flashes when there is receive activity; PART on to indicate the port has been partitioned to remove a detected fault

Manual Switches: Pushbutton up-link switch converts rightmost port on hub from a regular (= position) user segment port to a crossover (X position) up-link port for on-off connection to a central hub or another cascaded hub

Agency Approvals: UL® listed (UL 1950), cUL, CE Emissions meet FCC Part 15, Class A

Operating Temperature: 32 to 104°F (0 to 40°C)

Relative Humidity Tolerance: 5 to 85%, noncondensing

Enclosure: High-strength metal case; comes with rubber feet for table-top mounting and metal clips for wall-mounting; convection cooling method

Power: External power supply, 95–125 VAC at 60 Hz, 5 watts maximum for the 4-Port model and 8 watts maximum for the 8-Port model

Size:

4-Port: 2.8H x 15.7W x 10.4D cm (1.1"H x 6.2"W x 4.1"D);
8-Port: 2.8H x 23.6W x 10.4D cm (1.1"H x 9.3"W x 4.1"D)

Weight: 4-Port: 510 g (18 oz.)
8-Port: 737 g (26 oz.);
Power supply: 454 g (16 oz)

Additional equipment you may need

- (1) 4- or 8-Port 100BASE-TX Personal MiniHub
- (1) Power adapter
- (1) User's manual

Ordering Information

ITEM	CODE
100BASE-TX Personal MiniHubs	
4-Port	LH400A
8-Port	LH800A