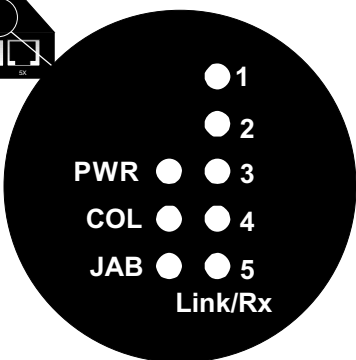
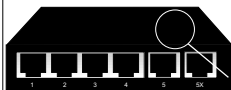


## LED Indicators



NOTE: LED indicators are located on the top of the Pocket Hub™-5

### Link/Rx (1-5)

*Illuminated:* Port link is established.

*Flashing:* Data is being received.

**PoWeR** *Illuminated:* Pocket Hub™-5 is powered ON.

**COLlision** *Blinking:* Collision detected during data transmission on ANY port 1-5.

**JABber** *Illuminated:* Pocket Hub™-5 is partitioned.

## Specifications

**Standards** IEEE 802.3 10BASE-T

**Case dimensions** 105mm x 67mm x 27mm

**Cable** Unshielded Twisted Pair (UTP)

**Maximum Cable Length** 100 meters (330 feet)

### Power Supply Adapter:

#### AC Input

P/N	Requirement	Location
3546	120V, 60Hz, 45mA	North America
3547	230V, 50Hz, 45mA	Europe

#### DC Output

7.5V-9V @800-1000mA

**Environment** Temperature: 0-50°C (32° to 122° F)

Humidity 10-90% non condensing

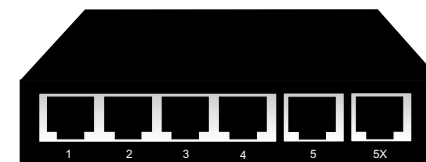
Altitude 0-10,000 feet

### Warranty

Lifetime

33039.A

TRANSITION  
networks



E-TBT-HB-0500

# Pocket Hub™-5

## Installing Pocket Hub™-5 in Network

Straight-through RJ-45 Connectors

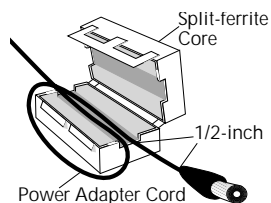


Crossover RJ-45 (X) Connector

To install Pocket Hub™-5:

1. Locate 10BASE-T cables with straight through cable and male RJ-45 connectors at both ends.
2. Connect Port 1 through Port 4 to terminal devices.
3. Optionally connect Port 5 to a terminal device *OR* connect Port 5X to another 10BASE-T hub.

NOTE: To ensure EMC compliance, install split-ferrite core on power adapter cord at location 1/2-inch from power adapter Pocket Hub™-5 connector, as shown:



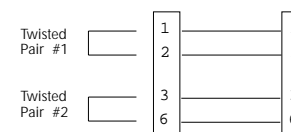
4. Install split-ferrite core on power adapter cord:
  - Open split-ferrite core latch
  - Install power adapter cord in split-ferrite core by looping cord as shown.
  - Close split-ferrite core latch.
5. Install power adapter cord at Power Adapter Connector located at back of the Pocket Hub™-5.
6. Connect power adapter plug to AC power.

### IEEE 802.3 Specifications

Ensure that the installation conforms to IEEE 802.3 specifications, including:

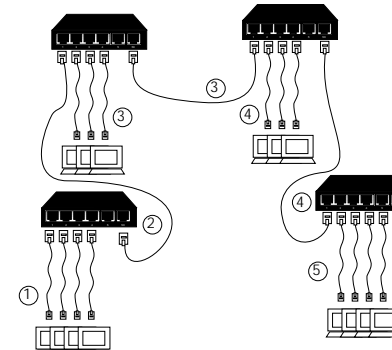
- **The 5-Segment Rule**, which states that no more than five (5) segments can be installed between any two terminal devices. NOTE: A segment is the cable connection between a terminal device and a hub or between two hubs.
- **The Straight-Through/Crossover Rule**, which states that 10BASE-T cable connections between terminal device and hub must be configured as straight-through and 10BASE-T cable connections between hubs must be configured as crossover. **NOTE: The port marked "5X" on the Pocket Hub™-5 converts straight-through cable to crossover.**

### Straight-Through Cable



NOTE: The two active pairs in a 10BASE-T network are pins 1 & 2 and pins 3 & 6. Use only dedicated wire pairs (such as blue/white & white/blue, orange/white & white/orange) for the active pins.

### The 5-Segment Rule



NOTE: Use of the stacking ports located on the back of the Pocket Hub™-5 is NOT supported by Transition Networks.