

Unpacking the EP-505ST

The following items should be included in the shipping carton and found in good condition.

- One EP-505ST 10BASE-T Hub
- One AC Power Adapter
- This Manual

Hub Features

Your EP-505ST Ethernet Hub includes the following features:

- IEEE 802.3 compliant (10Mbps, CSMA/CD)
- Five RJ-45 (UTP/STP) ports supporting up to five 10BASE-T segment connections
- Port auto-partitioning and reconnection to facilitate faulty segment isolation
- Polarity auto-detection and auto-correction for UTP/STP ports
- Data collision and jabber handling functions
- Two LEDs per port indicate Link, Receive and Partition status
- Two LEDs to indicate Power and Collision status
- Palmtop-size measuring 6.6 x 12.5 x 2.5cm, 110g
- Wall-mountable for easy installation

Identifying Parts of the Hub

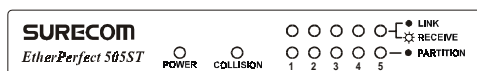


Figure 1: The Front Panel LED Indicators

1. **Power (RED) Indicator**
This LED indicator is on when the hub is powered up.
2. **Collision (YELLOW) Indicator**
This LED indicator blinks when the hub detects a collision on the network.

3. Link/Receive (GREEN) Indicators

These LEDs indicate the state of the data link. The LED remains on when the connection is okay. These LEDs blink to indicate data is being received on the segment.

4. Partition (RED) Indicators

These LEDs light to indicate a port on the hub is malfunctioning. Faulty ports are automatically isolated by the hub. When the port recovers, however, the partition LED returns to normal status.

Rear View

The rear of the hub contains the AC adapter port, the cascade enable slide-switch, and five UTP/STP ports.

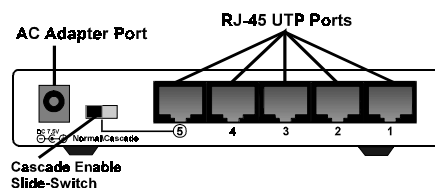


Figure 2: Rear View

1. RJ-45 UTP/STP Ports

The Hub is equipped with 5 RJ-45 UTP/STP ports for making 10BASE-T hub-to-workstation connections.

2. Cascade Enable Slide-Switch

Slide this switch to the right to enable cascading with straight UTP/STP cables.

3. AC Adapter Port

Insert the AC adapter jack into this port.

Installation

Making Network Connections

The following sub-sections describe network connections for the EP-505ST.

10BASE-T is a specification for Ethernet networks based on twisted pair cabling. The maximum length of a segment for 10BASE-T networks is 100 meters.

The cable is commonly referred to as a UTP/STP cable and the accompanying connectors as RJ-45 connectors. To establish 10BASE-T connections, you will need the following equipment:

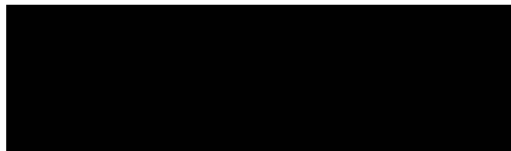
- Twisted pair (UTP/STP) straight cables for hub-to-NIC (network interface card) connections.
- Twisted pair (UTP/STP) straight cables for hub-to-hub connections, usually referred to as hub cascading.

The EP-505ST hub has five RJ-45 connectors for attaching up to five 10BASE-T based workstations. To establish such connections:

1. Ensure that both the hub and the soon-to-be-connected workstation are in the power off mode.
2. Plug one end of the UTP/STP cable into an available 10BASE-T hub port.
3. Plug the other end into the workstation's network interface card. Figure 3 illustrates a simple network topology using 10BASE-T hub-to-workstation connections.



Figure 3: 10BASE-T Connections



*For the
Ethernet 10BASE-T 5-Port Hub*