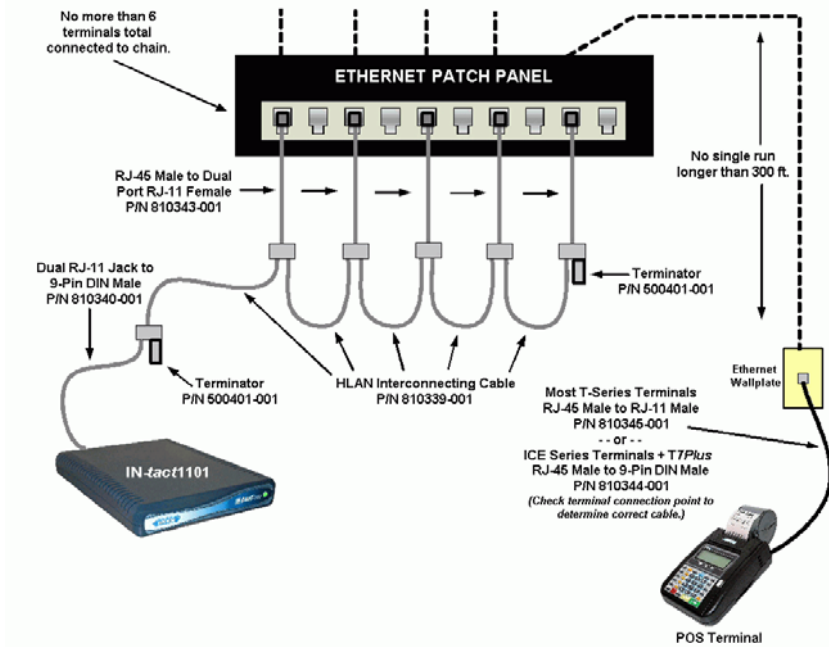


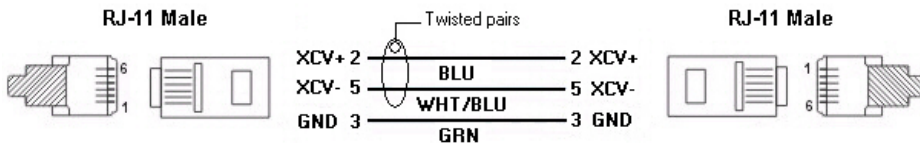
Ethernet CAT5 Daisy Chain Cable Example Using Existing EIA/TIA T568 (A or B) Ethernet Wiring



Note: There is a variable relationship between the total number of terminals that can be supported and the length of any given cable run. Longer individual runs mean fewer terminals. Likewise, shorter runs mean more terminals. Building wiring will dictate the total number of terminals that can be supported. The maximum length of cabling that can be supported is 4000 ft. Total distance on any run is the sum of the distance to and from the terminal.

Interconnecting Terminal Cables

To use the IN-tact 1101 on a daisy chain type of network, you may use the Hypercom RJ-11 cable (P/N 810339-001). This cable is CAT5 with a 6-pin male RJ-11 to male RJ-11. The length of the cable is 10 ft. (3 meters). If longer or shorter lengths of cable between terminals are required, you can manufacture your own cables using the wiring diagram provided below. Correct polarity must be observed. Please refer to the *IN-tact 1101 Hardware Guide* for detailed information on custom cabling.



IN-tact™ 1101

Cable Guide



IN-fact™ 1101 Cabling Overview

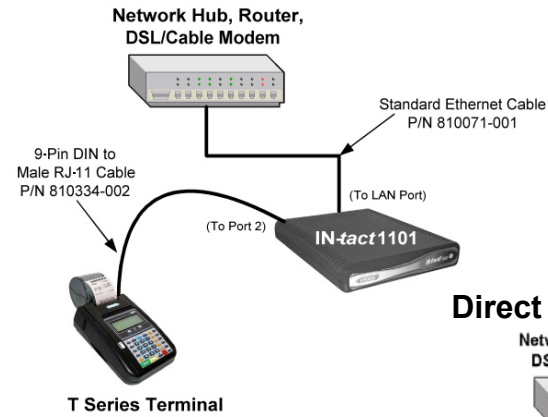
The Hypercom® IN-fact 1101 can be used as an IP gateway device for a directly-connected single terminal or a network of terminals. Because there are a variety of configuration, cables must be ordered and are shipped separately from the IN-fact unit. This brief guide provides cable information for each of the possible IN-fact 1101 configurations and examples of how each cable is used.

Cable List

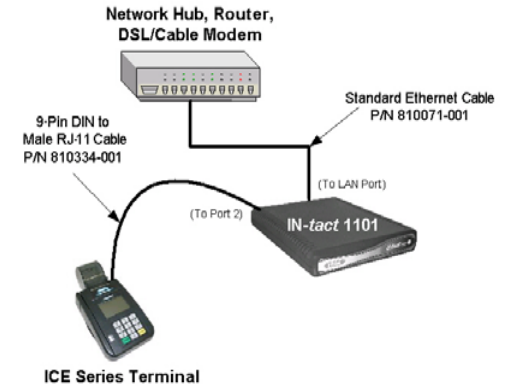
The following list provides the part number of each cable that can be used with the IN-fact 1101, a description of the cable, and how the cable is used.

Cable P/N	Description	Application/Notes
500401-001	120 ohm Terminating Resistor	120 ohm terminating resistor for the beginning and end of a daisy chain. Two resistors are required.
810071-001	Standard Ethernet cable Male RJ-45 to Male RJ-45 10 ft. length (3 meters)	Connect LAN port to router, hub, DSL, or cable modem. (1 for 1, not crossover)
810331-002	Male 9-pin DIN to Male 9-pin DIN 18 in. length (45.7 cm)	Direct connect IN-fact Port 2 to ICE™ Series terminal or T7Plus terminal.
810334-003	Male 9-pin DIN to Male RJ-11 18 in. length (45.7 cm)	Direct connect IN-fact Port 2 to T-Series terminal.
810338-001	Male RJ-11 to dual port Female RJ-11 18 in. length (45.7 cm)	Connect T-Series terminals within daisy chain.
810339-001	Male RJ-11 to Male RJ-11 10 ft. length (3 meters)	Interconnecting cable for daisy chain. See example on adjoining page.
810340-001	Male 9-pin DIN to dual port Female RJ-11 18 in. length (45.7 cm)	<ul style="list-style-type: none"> Create daisy chain of terminals from IN-fact Port 2 Connect ICE Series or T7Plus terminals within daisy chain.
810343-001	Male RJ-45 to dual port Female RJ-11 18 in. length (45.7 cm)	Create daisy chain of terminals from Ethernet patch panel utilizing existing EIA/TIA T568 (A or B) Ethernet wiring. See example on back page.
810344-001	Male RJ-45 to Male 9-pin DIN 10 ft. length (3 meters)	Connect ICE Series or T7Plus terminals to Ethernet wallplate.
810345-001	Male RJ-45 to Male RJ-11 10 ft. length (3 meters)	Connect T-Series terminals to Ethernet wallplate.

Direct Connection T-Series



Direct Connection ICE Series



HLAN Daisy Chain Example

