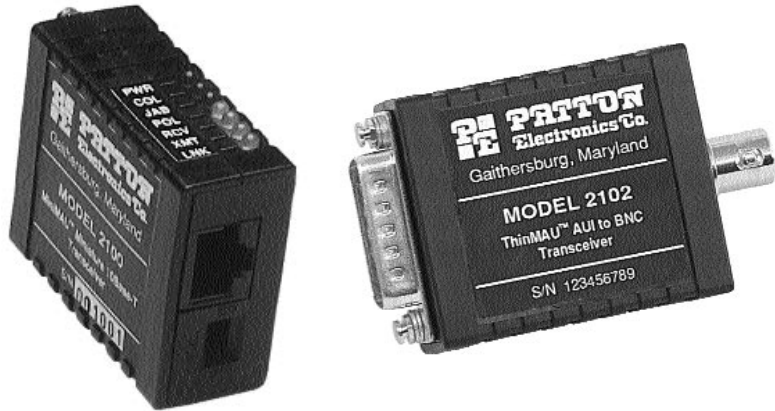


## PATTON MODEL 2100 Series Miniature Ethernet Transceiver/MAUs



### Features

- ◆ Adapts an Ethernet AUI Port to **10BaseT UTP** (*Model 2100 & 2100LC*) or **Thin Coax BNC** (*Model 2102*)
- ◆ Distances to **300ft/91.2m** (*Model 2100 & 2100LC*) or **150ft/45.6m** (*Model 2102*)
- ◆ Operating Power Derived from AUI Interface
- ◆ Compatible with **IEEE802.3** Specifications
- ◆ Seven LEDs Monitor Workstation and Interface (*Model 2100*)

### Description

The Patton Model 2100 Series of transceiver/MAUs allows Ethernet 802.5 AUI ports communicate over twisted pair or thin coax cable. Drawing all necessary operating power from the DB-15 AUI interface, the Model 2100 Series requires no AC power or batteries for operation. The **Patton Model 2100** supports twisted pair cable runs to 300 feet (91.2m) for connection to 10Base-T hardware such as hubs and repeaters. It incorporates autopolarity detect/reverse, jabber protection, and collision detection, as well as seven LED indicators. The **Patton Model 2100LC** is identical to the Model 2100, except that there are no LEDs. The **Patton Model 2102** connects to a thin Coax LAN and has a switchable "heartbeat" function, as well as an adjustable collision detect level.

### Specifications

**MODEL 2100/2100LC (10Base-T): Connectors:** DB-15 male on AUI port, RJ-45 jack on 10Base-T twisted pair port **LEDs:** (Model 2100 only) Power On=red, Link=green, Polarity=yellow, Collision=red, Receive=green, Transmit=green, Jabber=red **Link Parameters:** Duration between transmit link pulses: 8mS(min) / 24mS(max); duration between receive link pulses: 3mS(min) / 105mS(max) **Collision Parameters:** Collision signal ON/OFF delay (CI+/-): 900nS(max); collision to end of AUI loopback ON (DI+/-): 800nS(max); start of AUI loopback to end of collision: 100nS(max); Jabbering node isolated from network if jabber surpasses a 26mS transmit time; the jabber function will inhibit transmission (except for link pulses), discontinue AUI loopback, and send a collision signal on the AUI CI+/- circuit

**MODEL 2102 (10Base-2): Connectors:** DB-15 male on AUI port, BNC female connection to network medium **Maximum AUI Cable Length:** 150 feet (45.6m) **Heartbeat Function:** Can be disabled to allow operation with 802.3 repeaters **Collision Detect Level:** Can be adjusted to detect collisions only when unit is transmitting or even when unit is not transmitting **MAU Functions Implemented:** Transmit, Receive, Collision Presence Detection and Jabber Lockup **Isolation:** 500 VAC, rms for one minute between the DTE physical layer circuits and the coaxial trunk cable

**GENERAL Compliance:** IEEE/ANSI 802.3 compliant **Power Supply:** Draws necessary operating power from pin 13 of the DB-15 AUI interface **Dimensions:** 2.25"L x 1.69"H x 0.75"W (5.7 x 4.2 x 1.9 cm)