



Ethernet Microcontroller, TTL Programmable Interface,
RJ-45 Ethernet Interface with Autosensing, 18 BITS,
+5V, D-Sub Connector

TECHNICAL DATA SHEET

PE70A7001

The PE15A7001 is an Ethernet microcontroller module which gives Designers the capability to more effectively manage and streamline the BIT command control functions to a programmable RF module by using a PC computer program, or from a remote location via the Internet. The module communicates serially with a controlling PC computer using GUI downloadable software (see screenshot below) and acts as a TTL programmable interface that sends up to 18 command control BITS. This microcontroller is desirable for use with automated test and measurement and system level applications, and remote sites. The microcontroller uses a standard D-Sub 9 pin male connector for +5V DC bias voltage and ground. A D-Sub 9 pin female mating connector is included. An LED light indicates when Voltage is turned on. Additional connection ports include an RJ-45 socket (Ethernet cable not included) and the TTL output port uses a standard D-Sub 25 pin female socket connector. A D-Sub 25 pin male mating connector is included. The Ethernet interface features autosensing and comes with a pre-set IP address. A downloadable operating manual is also included. The PE15A7001 provides a TTL programmable interface that works with any device that requires a TTL signal to function. This includes Pasternack lines of RF Switches, Attenuators, Phase Shifters, and Bi-Phase Modulators. The rugged Mil-Grade package assembly has an operating temperature range from -40°C to +70°C and can withstand noncondensing humidity up to 95%.

Features

- Ethernet Microcontroller Module
- TTL Programmable Interface
- 18 Command Control Bits
- Downloadable GUI Software
- +5Vdc Bias Voltage
- D-Sub Interface Connectors for DC Voltage and TTL Output
- Preset IP Address: 192.168.100.150
- D-Sub Connector Mates Included
- RJ-45 Ethernet Socket
- Downloadable Operating Manual
- -40°C to +70°C Operating Temperature
- Up to 95% Relative Humidity
- Rugged Mil Grade Package Design
- Autosensing

Applications

- Automated Test & Measurement
- System Level Applications
- Remote Sites
- Research & Development
- Military & Commercial Communication Systems
- Radar
- Microwave Radio
- Basestation Infrastructure

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
DC Voltage		5		V
DC Current		150		mA
Ethernet Speed	10		100	Mb

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Ethernet Microcontroller, TTL Programmable Interface, RJ-45 Ethernet Interface with Autosensing, 18 BITS, +5V, D-Sub Connector PE70A7001](#)



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Mechanical Specifications

Size

Length

4.5 in [114.3 mm]

Width

3 in [76.2 mm]

Height

1.5 in [38.1 mm]

Connector 1

D-9 Sub Male

Connector 2

D-25 Sub Female

Plotted and Other Data

Performance Data

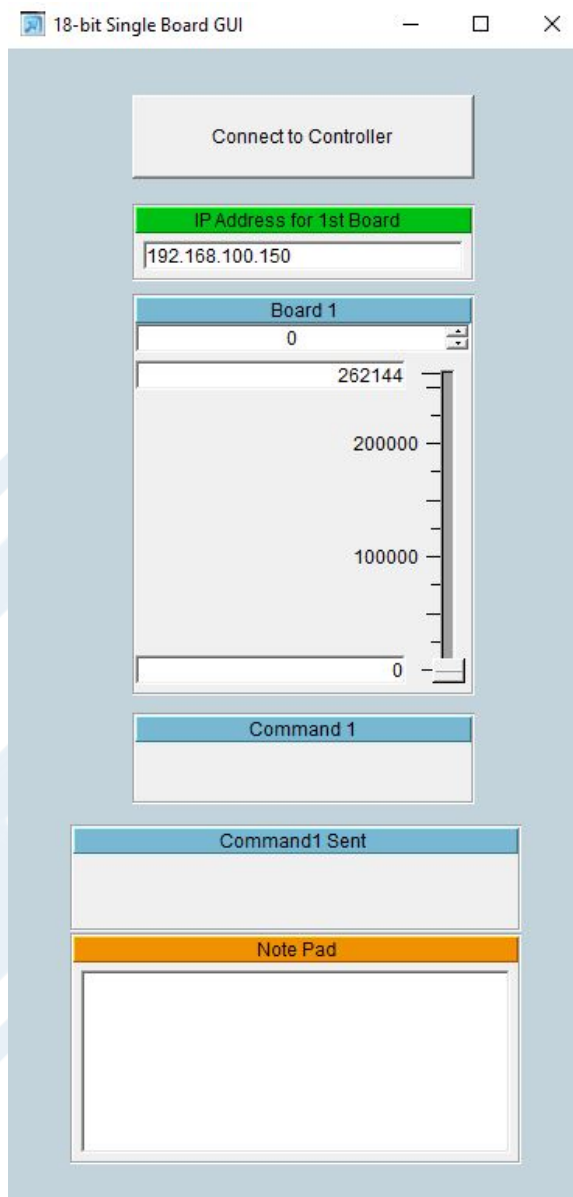
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Ethernet Microcontroller, TTL Programmable Interface, RJ-45 Ethernet Interface with Auto-sensing, 18 BITS, +5V, D-Sub Connector PE70A7001](#)

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Ethernet Microcontroller, TTL Programmable Interface, RJ-45 Ethernet Interface with Autosensing, 18 BITS, +5V, D-Sub Connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE70A7001 CAD Drawing

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