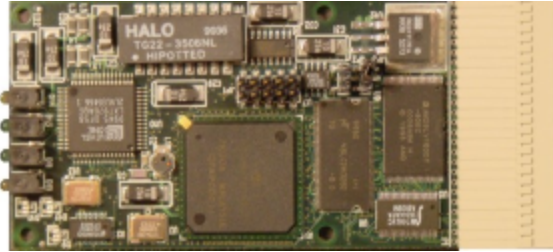


Phast 855T Core Evaluation Board



**Phast 855T 50 MHz Core Evaluation Board
Part#CPU-855T-50-1**

Overview

The Phast 855T Core Evaluation Board is ideal for rapidly prototyping embedded applications that utilize the Motorola 855T PowerPC Processor. The single board computer is the size of a standard business card, but is packed with enough industry standard SDRAM and Flash Memory to support even the most complex embedded applications. Initialization drivers are available to allow the software developer to start software development immediately by initializing 8 Mbytes of SDRAM from the Windriver[®] SingleStep[™] debugger. The Core Evaluation Board is also installed with a standard 10/100 BaseT Physical Interface.

Technical Features

- Single Board Computer complete with MPC855T CPU, SDRAM memory, FLASH memory, and 100BaseT Ethernet
- Utilizes Motorola's 32-bit MPC855T PowerPC CPU at either 50 MHz or 80 MHz operation
- Installed with 8 Mbytes of SDRAM and 2 Mbytes of FLASH leaving plenty of space for even the most complex application development
- BDM interface to support Macraigor's Wiggler[™] debug tool
- LEDs to indicate Power, Ethernet Link, and Ethernet Activity
- CPU Address Bus, Data Bus, DMA Controller, and most GPIO signals are made accessible to a high density edge connector that mates to both the Phast 855T Extender Card and the Phast Link Personality Module. The extender card breaks out each of these signals to standard 0.1" Headers.
- Operates in a standard temperature range of up to 0 to 70° C

Ordering Information

Phast 855T 50 MHz CPU Board	Part# CPU-855T-50-1
5V AC-DC Power Supply	Part# 5V-0.5A-Pwr
RS-232 Extender Serial Cable	Part# DB25X-RS232
RS-232 Personality Module Serial Cable	Part# DB9P-RS232
Phast 855T Extender Card	Part# Xtndr-855T-1
Phast Link Personality Module	Part# Mod-XFPGA-1

For orders of less than 20 units, an Extender Card or the Link Personality Module must be ordered with each 855T Core Evaluation board. For orders of 20 units or more, power and RS-232 connectors can be mounted directly onto the Core Evaluation Board for the same price listed above.

To order parts or request additional information, please contact Phast Electronics at sales@phastelectronics.com

Support

Does the Phast Development kit almost match exactly what you need in a finalized product? If so, Phast Electronics can minimize your time to market by integrating the design of components in the development kits into your final design. Powered by Micro Digital's SMX RTOS, the Phast 855T Core Evaluation Board can respond to a network ping within (3) seconds after a power cycle. Our team is ready to apply this speed to your design.