
TTTech Monitoring and Download



TTP Monitoring Node – The TTP-Ethernet Gateway

TTP Monitoring Node is a TTP®-Ethernet gateway node. Based on austriamicrosystems AS8202NF (C2NF) TTP controller, it provides powerful facilities for monitoring and download in a TTP network. The austriamicrosystems AS8202NF has synchronous (MII – 25 Mbit/s) and asynchronous (MFM/Manchester – 5 Mbit/s) bus interfaces. Both of them are supported.

Ethernet Connection to Computer

The TTP Monitoring Node is connected to a computer via Ethernet (100Base-TX). It supports a standard TCP/IP connection to the computer where TTP Load runs. TTP Load is used for downloading software to a TTP cluster. TTP View monitors an operating TTP network. Both TTP Load and TTP View can communicate with the embedded software of the TTP Monitoring Node via standard TCP/IP Internet protocols.

Real-time Linux and PCMCIA Interface for User Flexibility

The TTP Monitoring Node uses an embedded real-time Linux variant and is therefore very easy adaptable for specific applications. In addition, the TTP Monitoring Node is equipped with a PCMCIA card interface for user-specific applications.

Host CPU

- Freescale MPC855T PowerQUICC™ integrated communication processor running at 80 MHz, 32-bit PowerPC® core
- 16 Mbytes external dynamic RAM memory (4 M x 32 bit)
- 8 Mbytes external Flash memory (2 M x 32 bit)

Interfaces

- TTP interface (based on austriamicrosystems AS8202NF (C2NF) TTP controller with MFM/Manchester on RS 485 physical layer (5 Mbit/s asynchronous, 2 channels) and MII on IEEE 802.3 100Base-TX physical layer (25 Mbit/s synchronous, 2 channels, requires hub and star architecture)
- PCMCIA slot of type I/II
- Dedicated TCP/IP 100Base-TX network link to a hub, switch, or PC network card
- Multi-channel serial communication interface (PCB-mounted connectors)
- Serial interface on PCB-mounted connectors suitable for LIN
- Online debug interface (BDM)
- Communication and application status LEDs on front panel
- Reset button on front panel

Specifications

- Dimensions: 220 x 145 x 26 (in mm)
- Weight: 770 g
- Operating temperature: 0 °C – +70 °C
- Storage temperature: -40 °C – +85 °C
- Housing and power supply included
- Power requirements: input voltage 9 - 60 V DC at max. 10 Watt and max. 1.5 A

Subject to changes and corrections.

For further information, including price and availability, contact products@tttech.com.

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