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Find the *Lauterbach LA-7708* at our website: ***Click HERE***

TRACE32®
Technical Information



PODBUS Ethernet Controller

- 10 MHz or 10BaseT Ethernet Connection
- Optional 100 MHz Ethernet
- 50 or 80 MHZ PowerPC with up to 128 MByte DRAM
- Parallel-Printer Interface
- Frequency Counter
- Trigger In/Out

The PODBUS Ethernet Controller connects all ICD modules directly to the ETHERNET. The Connection is made by 10BaseT (Twisted Pair). Additional a printer (LPT:) port is available for connection to notebook or desktop PCs.

The concept of the intelligent ETHERNET controllel reduces net load and speeds up debugging in network based environments. All debugging software and data are hold inside the controller. Memory upgrades up to 128 MByte are available.

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Features

Controller

The heart of the TRACE32-ICD Development System is the Ethernet Controller. It is the link between the target system and the host and therefore its performance determines the overall performance of the combined development system. The use of a 32 bit CPU and a large directly addressable memory allows the use of a fast, memory oriented software structure, which is essential for high-performance systems development. This shift of emphasis from the host to the TRACE32 results in a considerable improvement in overall system performance and also significantly reduces host system dependency. By the fast interface to the host, download speeds between 50 to 500 Kbyte/sec are typical

- ❏ CPU
  - PowerPC with 50 MHz
  - Maximum 64 MByte DRAM
- ❏ Power Supply
  - External connector type switching power supply

Parallel Interface

- ❏Direct Connection to Printer Port on MS-DOS Computers, no Interface Card needed
- ❏Recommended for LAPTOPs and 8 Bit Applications
- ❏ Interface
  - About 100 Kbyte/s download speed
  - LPT1: or LPT2: selectable

Ethernet Interface

- ❏Interface
  - Ethernet interface with 10BaseT connector
  - Supports UDP, ICMP, ARP and RARP protocols

Memory Extension

- ❏8..64 MByte Memory Extension

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Order Information

Module Description

OrderNo Code	Text
LA-7824 PODBUS-ETH-64M-10	**PODBUS Ethernet Controller 10 MBit 64 MByte** Ethernet Controller for ICD, 10 MHz Ethernet Interface 40 MHz PowerPC Controller, 64 MByte Memory, PODBUS Interface, Switching Power Supply 110..240V
LA-7825 PODBUS-ETH-128M-10	**PODBUS Ethernet Controller 10 MBit 128 MByte** Ethernet Controller for ICD, 10 MHz Ethernet Interface 40 MHz PowerPC Controller, 128 MByte Memory, PODBUS Interface, Switching Power Supply 110..240V
LA-7820 PODBUS-ETH-64M-100	**PODBUS Ethernet Controller 100 MBit 64 MByte** Ethernet Controller for ICD, 10/100 MHz Ethernet Interface Parallel port is NOT supported for 64-bit hosts, Windows7 and later 80 MHz PowerPC Controller, 64 MByte Memory, PODBUS Interface, Switching Power Supply 110..240V
LA-7821 PODBUS-ETH-128M-100	**PODBUS Ethernet Controller 100 MBit 128 MByte** Ethernet Controller for ICD, 10/100 MHz Ethernet Interface Parallel port is NOT supported for 64-bit hosts, Windows7 and later 80 MHz PowerPC Controller, 128 MByte Memory, PODBUS Interface, Switching Power Supply 110..240V
LA-7806 PODBUS-CX	**Extension Cable for PODBUS 0.5 m**
LA-6043 SCU/PODETH-32MB	**Memory Module 32MByte** Memory Module for the SCU and the PODBUS Ethernet Controller
LA-6044 SCU/PODETH-64MB	**Memory Module 64MByte** Memory Module for the SCU and the PODBUS Ethernet Controller
LA-6046 SCU/PODETH-128MB-SD	**Memory Module 128MByte SO-DIMM** Memory Module for the 100 MBit PODBUS Ethernet Controller (SO-DIMM)

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Detailed Order Information

Order No.	Code	Text
LA-7824	PODBUS-ETH-64M-10	PODBUS Ethernet Controller 10 MBit 64 MByte
LA-7825	PODBUS-ETH-128M-10	PODBUS Ethernet Controller 10 MBit 128 MByte
LA-7820	PODBUS-ETH-64M-100	PODBUS Ethernet Controller 100 MBit 64 MByte
LA-7821	PODBUS-ETH-128M-100	PODBUS Ethernet Controller 100 MBit 128 MByte
LA-7806	PODBUS-CX	Extension Cable for PODBUS 0.5 m
LA-6043	SCU/PODETH-32MB	Memory Module 32MByte
LA-6044	SCU/PODETH-64MB	Memory Module 64MByte
LA-6046	SCU/PODETH-128MB-SD	Memory Module 128MByte SO-DIMM

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