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Rugged and reliable Industrial Fast Ethernet Family

PC/104-Plus card with up to 2 Fast Ethernet Controller

MPL introduces a rugged Fast Ethernet Family called LAN104, which is specially designed for the industrial market. Even extended temperature versions for -40°C up to $+75^{\circ}\text{C}$ are available.

The LAN104 family consists of 6 highly integrated and robust PC/104-Plus compliant Ethernet Modules for the Industrial use. LAN104 unifies up to two complete 10/100BaseTX Fast Ethernet Adapters on just one single PC/104-Plus card. The controllers are AMD PCnet™ compatible, allowing the use of PCnet Family driver & diagnostic software. Furthermore the LAN104-Product Family offers a wide range of interface options to match the various system requirements. They vary from a simple header over an onboard RJ45 connector to a version with MII connector. Over the MII the use of external physical interfaces as fiber optic 100BaseFX is possible.



Features

- Up to 2 Fast Ethernet controllers on a single board
- High performance bus mastering for low CPU and bus utilisation.
- PCI specification 2.2 compliant
- 5 volt only power supply
- IEEE: 802.3u autonegotiation 10/100 Mbps, half/full duplex operation
- 100BaseTX or MII interface options
- RJ45, single row header, MII ribbon cable connector options
- optional MII ports for the use of external media transceivers, like 100Base FX
- 4 onboard status LED's for each Ethernet channel
- Optionally -40°C up to $+75^{\circ}\text{C}$

All these features make the LAN104 to the ideal solution for industrial network applications, like routers, firewalls, etc. The modules can be used with any PC/104 stack as well as expansion module for the Packaged Industrial PC series (PIP) of MPL.

All MPL products are produced and designed in Switzerland. MPL is your reliable partner to work with today as well as tomorrow.

Further information about the SPIDERLAN or MPL are available via Fax, email (info@mpl.ch) or on our Home Page (www.mpl.ch).