

What is MiniPCI Interface

ADLINK mPCI add-on card architecture is based on the PCISIG standard of MiniPCI Type III. The MiniPCI is based on PCI 32-bit/33MHz interface. Originally it was designed for general laptop PC applications for expanding FAX/MODEM, Audio, Ethernet or wireless solutions. The appearance of MiniPCI Type III connector resembles the SO-DIMM socket, however, MiniPCI Type III is 128-pin and differs in size.

ADLINK utilize the MiniPCI specifications to design the mPCI add-on cards so that we can easily expand the functionality of the SBC to cover most of the industrial or network applications. For examples, we offer ultra160 SCSI, dual 10/100Mbps Ethernet and network security/compression cards that are suitable for various applications. We can also utilize the off-the-shelf MiniPCI products for more applications. For examples, our SBC can work with 802.11b wireless cards, Bluetooth cards and other available products, which are developed by 3rd party companies. The ADLINK SBC with MiniPCI interface offers you the greatest flexibility and extendibility for any application. Please contact us, we can help to develop your own MiniPCI add-on card.

mPCI-8219

Single Channel Ultra160 SCSI mPCI card

Features

- LSI 53C1000R Ultra160 SCSI chip
- Max Transfer Rate: 160MB/Sec
- HDD access LED on board with external pin-header
- Backward compatible with Ultra2 / Ultra Wide / Ultra & SCSI-2
- Upgradeable SCSI Boot-ROM on board
- Supports up to 15 devices
- 68-Pin LVD SCSI Connectors
- Automatically enables LVD or SE termination

Ordering Information

mPCI-8219

Single Channel Ultra160 SCSI MiniPCI I/F card

mPCI-8220

Dual Intel 82559 10/100Mbps Ethernet mPCI card

Features

- Dual Intel 82559 10/100Mbps Ethernet controllers
- Supports IEEE 802.3u auto-negotiation for 10Base-T/100Base-TX
- Supports IEEE 802.3x 100Base-TX flow control
- Reserved extra pin-header for LAN status LED for panel-free design
- Ship with external RJ-45 connectors

Ordering Information

mPCI-8220D

Dual i82559 LAN MiniPCI I/F card

mPCI-8220L

Single i82559 LAN MiniPCI I/F card

mPCI-8710

Network Security/Compression mPCI card

Features

- Hifn 7951 PCI network security/compression chip
- Single chip multi-algorithm acceleration (LZS, 3-DES, SHA, Public Key & more)
- On-board IKE processor (2048-bit key lengths) and true random number generator
- Compression (LZS and MPPC)
- Multi-protocol support: IPSec, IPPCP (IPCOMP), PPTP, L2TP, PPP and IKE
- 32 Mbps processing speed
- Applications : VPN / NAS (Remote Backup) and Network Security

Ordering Information

mPCI-8710

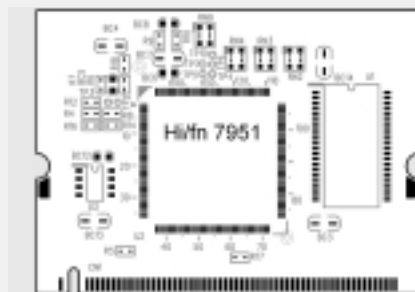
Network security/compression MiniPCI card



mPCI-8219



mPCI-8220



mPCI-8710