Intel EtherExpress™ PRO/100 Mobile Adapters

Fast, flexible connections for your portable PC.

Get your portable PC up to speed with Fast Ethernet. Intel EtherExpress™ PRO/100 Mobile Adapters autosense network speed for plug-and-play connections to 10 and 100Mbps Ethernet LANs. A full driver suite is included, with support for all major network operating systems and auto-configuration for easy installation. These are the adapters of choice for portable PCs, providing fast, flexible connections. You'll get the full advantage of Fast Ethernet speeds where available, and still be able to connect easily to 10Mbps segments.

KEY FEATURES

- *10/100 Ethernet for flexible LAN connections*

- *Auto-configuration for easy installation*

- *Supports all major network operating systems*

EtherExpress PRO/100 Mobile Adapter LAN+Modem56 PC Card [†]

Get complete LAN and modem support in a single, high-performance card. Flexible 10/100Mbps connectivity gives you full LAN support at the office, and the 56K modem ensures peak performance over standard telephone lines on the road. This easy-to-use card auto-negotiates to the highest available speed in all operating modes – up to 56Kbps for modem, up to 14.4Kbps for fax. You can access e-mail, send faxes and download information fast.

   With support for K56flex* technology, this mobile adapter lets you download information at nearly twice the speed of conventional V.34 modem technology. K56flex is already supported by many service providers. If needed, when the future 56K International Telephone Union (ITU) standard is established, a simple Flash ROM upgrade will ensure that you enjoy continued compatibility and peak performance with all standard compatible modems.

EtherExpress PRO/100 Mobile Adapter – 16-Bit PC Card

This card gives you the flexibility of 10/100 LAN connectivity for your portable PC using the 16-bit PCMCIA slot. As you add Fast Ethernet capabilities to your existing Ethernet network, your portable PC can plug into any segment, old or new.

EtherExpress PRO/100 Mobile Adapter – 32-bit CardBus

Maximize the network performance of your portable PCs that use CardBus slots. This 32-bit bus-master architecture provides top performance LAN connectivity, taking full advantage of the power of your Pentium® and Pentium PRO processor-based portable PCs.

[†]Available in North America only

intel.

INTEL MOBILE ADAPTER FEATURE GUIDE

Bus architecture	PC Card (16-bit)	CardBus (32-bit)	PC Card (16-bit with 56K modem)
Product name	EtherExpress PRO/100 Mobile	EtherExpress PRO/100 Mobile	EtherExpress PRO/100 Mobile
IEEE Standard/Network Topology	10BASE-T, 100BASE-TX	10BASE-T, 100BASE-TX	10BASE-T, 100BASE-TX
Wiring	Cat3, Cat5, 2pr	Cat3, Cat5, 2pr	Cat3, Cat5, 2pr
PCMCIA standard supported	PC Card Feb 95 Type II	PC Card Feb 95 Type II	PC Card Type II
Product code: Connectors	MBLA1600: RJ-45	MBLA3200: RJ-45	MBLA1656: RJ-45, RJ-11
ADAPTER PRODUCT FEATURES			
Multi-packs available	5 & 20 packs	5 & 20 packs	5 & 20 packs
Switchless board configuration	■	■	■
Plug 'n Play specification support	■	Standard	■
Automatic driver installation	■	■	■
Full Duplex Capable	10Mbps only	■	10Mbps only
Auto-negotiation		■	■
Hot Swap capability	■	■	■
NETWORK MANAGEMENT			
Board and network diagnostics	■		■
SNMP-manageable	■	■	
NOS SOFTWARE SUPPORT			
IBM OS/2, WARP (NDIS 2.01)	■	■	
Microsoft LAN Manager* (NDIS 2.01)	■	■	■
Microsoft Windows* for Workgroups	■	■	■
Microsoft Windows NT* 3.51, 4.0	■	■	■
Microsoft Windows 95 (NDIS 3.1)	■	■	■
Novell NetWare* 3.11, 3.12 & 4.1x Server	■	■	
Novell NetWare DOS ODI Client	■	■	■
Novell NetWare Client 32	■	■	■
TECHNICAL FEATURES			
Data rate(s) supported	10 & 100Mbps	10 & 100Mbps	10 & 100Mbps
On-board memory	32KB	4KB	32KB
Interrupt levels	Software selectable	INTA	Software selectable
I/O base addresses	Software selectable	N/A	Software selectable
Full IEEE compliance	802.2 & 802.3	802.2 & 802.3	802.3
Data path width	16-bit	32-bit	16-bit
Hardware certifications	FCC B, CE	FCC B, CE	FCC B, FCC Part 15
Data transfer mode	Programmed I/O	Bus-master DMA	Programmed I/O
Controller or processor	Xircom	DEC	Xircom
Power requirement	1.6Watts @ 5VDC	2Watts @ 3.3VDC	1.6Watts @ 5VDC
Operating temperature	+0-55°C	+0-55°C	+0-55°C
Operating Humidity	95% max noncondensing	95% max noncondensing	95% max noncondensing
INTEL BACKING			
Limited lifetime warranty	■	■	■
90-day money-back guarantee	■	■	■

MODEM SPECIFICATIONS

Data Modem Transmission Speeds

Auto-negotiates to highest speed:
56,000; 54,000; 52,000; 50,000; 48,000; 46,000; 44,000; 42,000; 40,000; 38,000; 36,000; 33,000; 31,200; 28,800; 26,400; 24,000; 21,600; 19,200; 16,800; 14,400; 12,000; 9600; 7200; 4800; 2400; 1200/75 bps

Fax Speeds

Auto-negotiates to highest speed:
14,00; 12,000; 9600; 7200; 4800; and 2400 bps

Fax Standards

V.17, V.29, V.27ter; Group 3; EIA/TIA; Class 1, V.34

Error Control

V.42/MNP Levels 2-4

Data Compression

V.42bis (4:1) or MNP Level 5 (2:1)

Command Set

Hayes, Microcom compatible AT commands

Non-volatile RAM

1 user-definable profile; up to 2 thirty-six digit telephone number; LAN adapter ID and serial number

---

CUSTOMER SUPPORT

Intel Customer Support Services offer a broad selection of tiered support programs. For more information: visit us on the World Wide Web at http://support.intel.com or call 800-538-3373, ext. 276, or order FaxBack* 8549 at 800-525-3019.

FOR PRODUCT INFORMATION

World Wide Web	http://www.intel.com/network
U.S. and Canada	800-538-3373 or 503-264-7354
Europe	+44-1793-431-155
Japan	+81-298-47-0800
Hong Kong, Taiwan, Korea, Singapore and ASEAN	+65-735-3811
Australia	+61-2-9937-5800

FOR MORE INFORMATION, ORDER THESE FAXBACK* DOCUMENTS

To order call 503-264-6835, 800-525-3019, or find us on the World Wide Web: http://www.intel.com/network

intel®

Please Recycle. NP0735.02