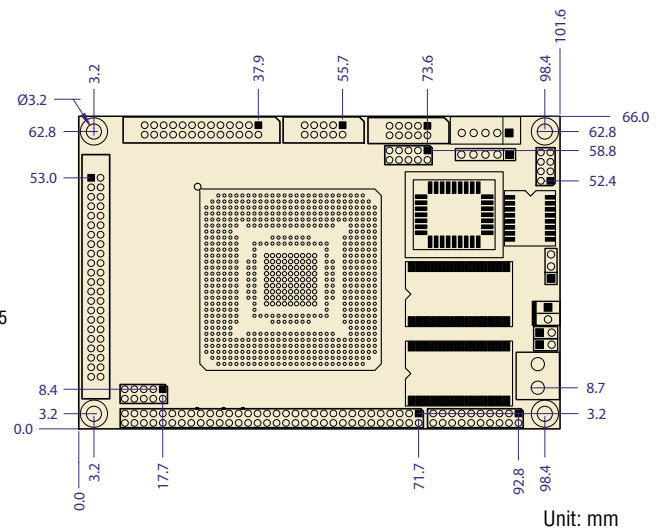
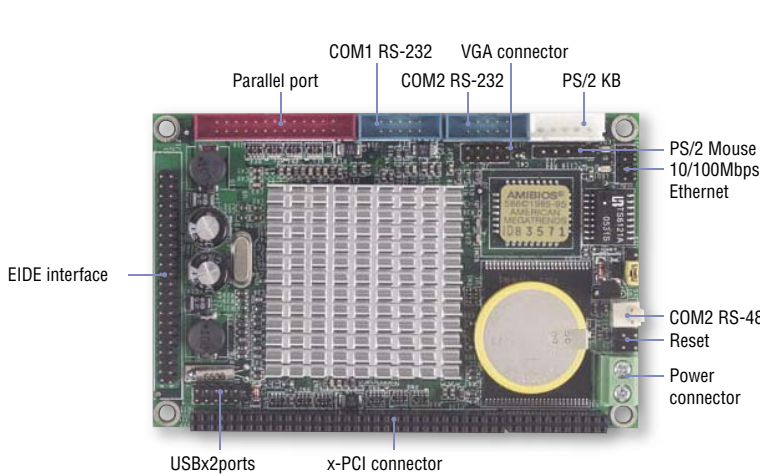


Vortex86-6082

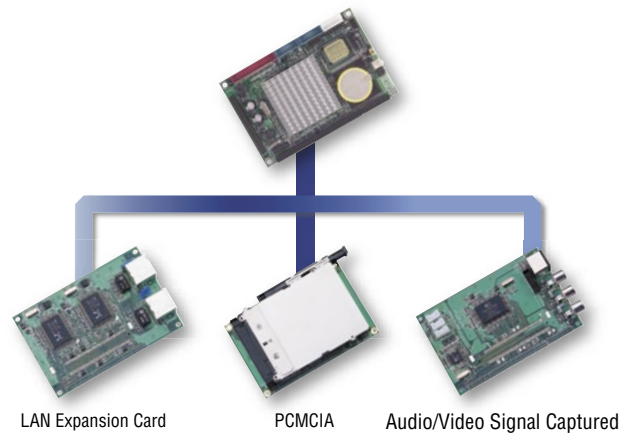
128MB/2S/2USB/IDE/VGA/LAN



Specifications

SoC	DM&P(SIS) Vortex86 System-on-Chip CPU-166MHz Real Time Clock with Lithium Battery Backup
Bus	32-bit x-PCI interface, compatible with PCI Rev.2.2, PC 98/99
BIOS	AMI BIOS
System Memory	Onboard 128MB SDRAM
Watchdog Timer	Software programmable from 4ms to 1hour
VGA	AGP Rev.2.0 compliant Shared system memory up to 64MB (Default 8 MB) Support resolution up to 1,280x1,024 true colors VGA interface support
LAN	Realtek 8100B 32-bit PCI Full Duplex Ethernet Controller Throughput 10/100Mbps
Flash Disk Support	MSTI EmbedDisk Module (16MB and above) PQI DiskOnModule (16MB and above)
I/O Interface	Enhanced IDE port x1 RS-232 port x1 RS-232/485 port x1 Parallel port x1 USB port x2 (Ver. 1.1) 10/100Mbps Ethernet port x1
Connectors	2.0mm 44-pin header for IDE x1 2.0mm 26-pin box header for Printer x1 2.0mm 20-pin socket for LPC connection x1 2.0mm 10-pin box header for RS-232 x2 2.0mm 10-pin box header for USB x1 2.0mm 10-pin box header for VGA x1 2.0mm 8-pin header for Ethernet x1 2.54mm 5-pin box header for Keyboard x1 2.54mm 5-pin header for Mouse x1 2.54mm 2-pin header for RS-485 x1 2.54mm 2-pin header for Reset x1
Power Requirement	Single Voltage +5 V @ 960 mA
Weight	82g
Board Size	100 X 66mm (3.93 x 2.59 inches)
Operating Temperature	-20°C ~ +70°C

Expansion Module Selection



Packing List

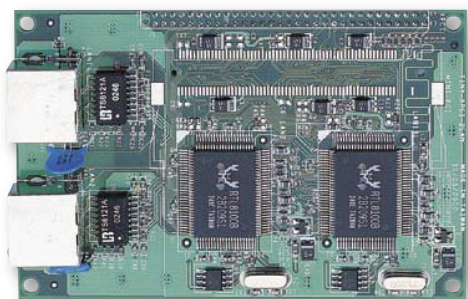
- Vortex86-6082 x1
- CD for User's Manual & Driver x1
- Cable
 - HDD 44P (2.Q) x1
 - PRINT (2.Q) x1
 - RS-232(2.Q) x2
 - VGA (2.Q) x1
 - NET 4x2(2.Q) x1
 - USB (2.Q) x1
 - PS2 KB White x1
 - PS2 KB (TEST) Black x1

Ordering Information

- Vortex86-6082** Vortex86 Tiny CPU Module
- Vortex86-6083** Tiny x-PCI Dual LAN Module
- Vortex86-6083L1** Tiny x-PCI Single LAN Module
- Vortex86-6083-Mini-PCI** Tiny Mini-PCI to x-PCI Module
- Mini PCI Wireless LAN Card** Wireless module for Mini-PCI interface
- Vortex86-6084AV** Tiny x-PCI Video Captured & Audio I/O Module
- Vortex86-6084A** Tiny x-PCI Audio I/O Module
- Vortex86-6084V** Tiny x-PCI Video Capture Module
- Vortex86-6085** Tiny x-PCI PCMCIA I/O Module

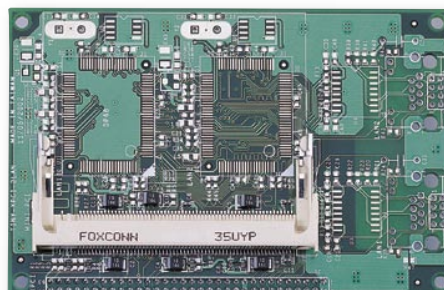
Vortex86-6083

Tiny x-PCI Dual LAN Module



Vortex86-6083-Mini-PCI

Tiny x-PCI to Mini-PCI Module



Specifications

Chipset	Realtek 8100B single chip x2 Full-duplex transfer mode, doubles effective bandwidth Throughput 10/100Mbps
Bus	32-bit x-PCI interface, compatible with PCI Rev.2.2, PC 98/99
Connectors	External RJ-45 connector for Ethernet x2
Power Requirement	Single Voltage +5V @125mA
Weight	45g
Board Size	100 X 66mm (3.93 x 2.59 inches)
Operating Temperature	0°C ~ +70°C

Packing List

- Vortex86-6083x1

Ordering Information

- **Vortex86-6083** Tiny x-PCI Dual LAN Module
- **Vortex86-6083L1** Tiny x-PCI Single LAN Module

Specifications

Function	Mini-PCI resolves the mechanical constraint of Standard PCI, Type III Mini-PCI is a 124-pin connector interface uses the card edge type connector similar to the SODIMM
Bus	32-bit x-PCI interface, compatible with PCI Rev.2.2, PC 98/99
Connectors	0.8mm 124-pin Mini-PCI card connector x1
Weight	32g
Board Size	100 X 66mm (3.93 x 2.59 inches)
Operating Temperature	0°C ~ +70°C

Packing List

- Vortex86-6083-Mini-PCI x1



1
Mity/Tiny Module

2
PC/104 Module

3
3.5"/ATX/EBX
Module

4
Half-Size Module

5
Peripheral
Module

6
Accessories

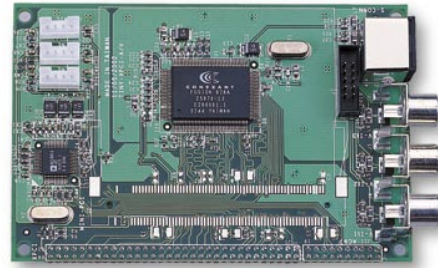
Mini-PCI Wireless LAN Card

IEEE802.11b/g Mini-PCI Wireless LAN card



Vortex86-6084AV

Tiny x-PCI Video Captured & Audio I/O Module



Specifications

Chipset	VIA + Fairchild
Antenna	Two ceramic antennas
Host interface	32-bit CardBus
Data Rate	1/2/5.5/6/9/11/12/18/24/36/48/54 Mbps
RF Output Power	15dBm ± 1dBm
Power Consumption	Tx (350mA) ; Rx (250mA)
Voltage	3.3V±5%
Modulation	OFDM with BPSK, QPSK, 16QAM, 64QAM (11g) DBPSK, DQPSK, CCK (11b)
Operating Channels	CH1~CH11 (2.412GHz~2.462GHz) FCCC H1~CH13 (2.412GHz~2.472GHz) ETSI CH1~CH14 (2.412GHz~2.483GHz) TELEC
Sensitivity	11g; PER < 10% 54 Mbps -68 dBm, 48 Mbps -72 dBm 36 Mbps -75 dBm, 24 Mbps -79 dBm 18 Mbps -82 dBm, 12 Mbps -84 dBm 9 Mbps -87 dBm, 6 Mbps -88 dBm 11b; PER < 8% 11 Mbps -80 dBm, 5.5 Mbps -83 dBm 2 Mbps -88 dBm, 1 Mbps -91 dBm
Coverage	Indoor: Data Rate (In open environment) * Environmental factors may adversely affect range Indoors: UP TO 100 meters (328 feet) Outdoor: Data Rate (In open environment) * Environmental factors may adversely affect range Outdoors: UP TO 400 meters (1,312 feet)
Operating Temperature	0~55°C
Storage Temperature	0~55°C
Humidity (Non-condensing)	20~80%
Interoperability	802.11b / 802.11g
Support OS	Windows 98SE/ME/2000/XP/CE Linux
Security	WEP 64/128 bit / WPA (TKIP.AES) Encryption
Weight	50g
Dimension	59.7mm (L) * 44.5mm (w) * 4.8mm (H)

Packing List

- Mini-PCI Wireless LAN Card x1
- WIRELESS-ANTENNA x1
- WIRELESS-CABLE-120MM x1

Specifications

Function	Tiny x-PCI Video/Audio Capturer and I/O Module
Chipset	Video Decoder-Conexant Fusion 878A Audio CODEC-Analog Devices AD1881A, AC97 compatible
Bus	32-bit x-PCI interface, compatible with PCI Rev.2.2, PC 98/99
I/O Interface	Video-in (Video Capture) port x5 Line-in/Line-out/MIC-in port x3
Driver	Windows 9X/2000/XP/NT Linux/ FreeBSD Driver
Connectors	2.0mm 10-pin box header for Video-in x1 2.0mm 4-pin wafer for Line-in/Line-out/MIC-in x3 RCA connector for composite signal input x3 External 4-pin Mini Din connector for composite signal input x1
Power Requirement	Single Voltage +5V @150mA
Weight	45g
Board Size	100 X 66mm (3.93 x 2.59 inches)
Operating Temperature	0°C ~ +70°C

Packing List

- Vortex86-6084AV x1
- Cable
- Audio Line x3

Ordering Information

- Vortex86-6084AV** Tiny x-PCI Video Captured & Audio I/O Module
- Vortex86-6084A** Tiny x-PCI Audio I/O Module
- Vortex86-6084V** Tiny x-PCI Video Captured Module