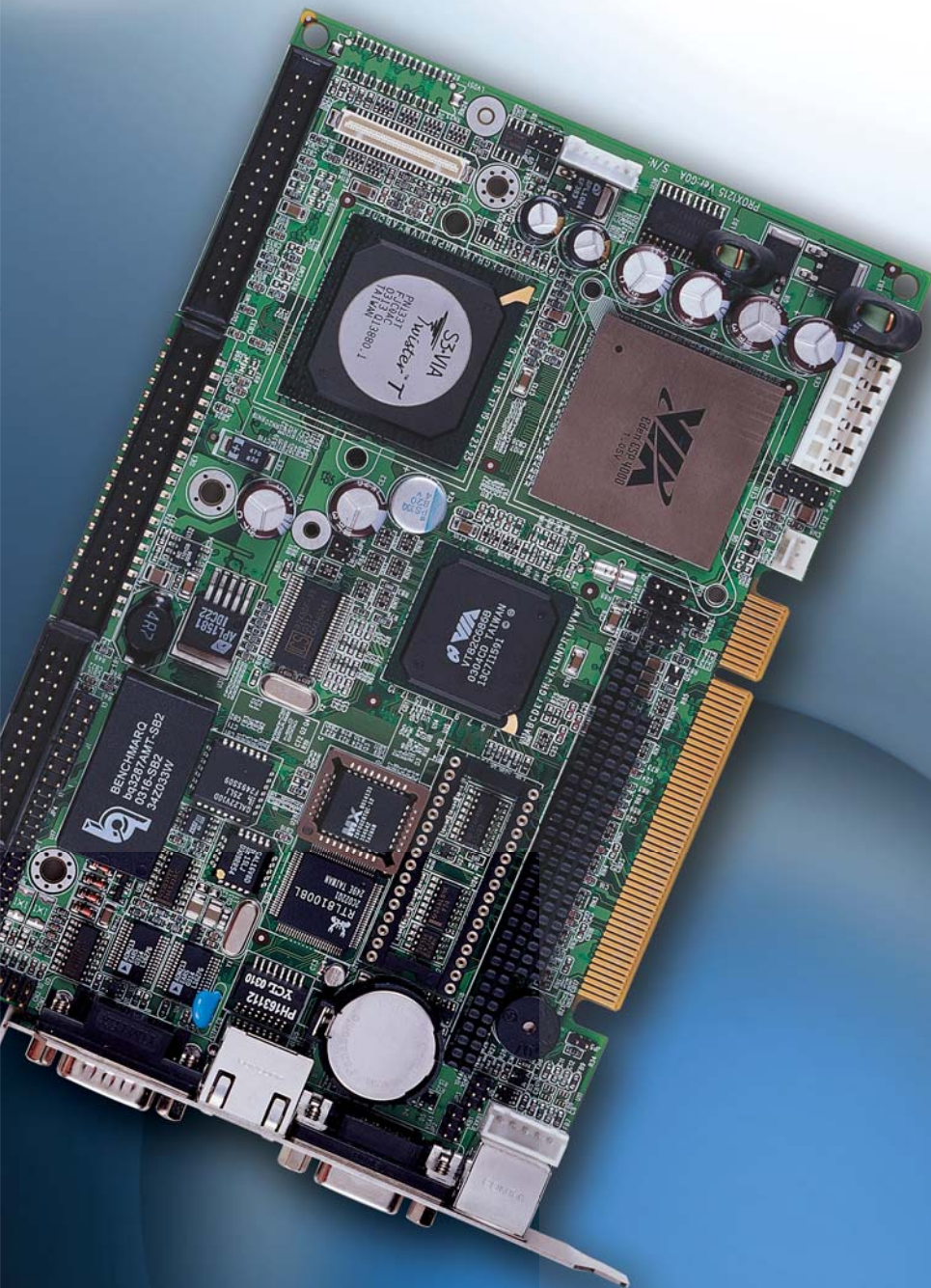# SBC

PCI-1215

VIA Eden™ Low Power Half-size CPU Card With VGA/LAN

PCI-1215 is a new embedded computing platform for low power, fanless applications based on industrial standard form factor of Half-size PCI CPU card equipped with VIA Eden™ LP CPU at speed of 400/733MHz. The fanless VIA Eden™ processor is a low power, high per-formance, and highly integrated x86 platform providing the most flexible, compatible, and cost-effective solution for new generation of connected digital information & enter-tainment devices.

The chipset, VT8606, provides VGA function up to 32 MB shared memory and simultaneously supports for CRT, and TTL display. The PCI-1215 is also built with Realtek 8100BL to support 10/100 Base TX fast Ethernet and Wake-on-LAN function. It has one 144-pin SO-DIMM socket supporting up to 512MB DRAM. Other than these, PCI-1215 also has one enhanced EIDE (UDMA33/66/100), one FDD interface, two serials, one parallel, one IrDA, and two USB ports.

The PCI-1215 also supports PC/104 and designed to meet the needs of appli-cations that require extraordinary computing performance and reliability. It can run Windows 95/98/2000/XP, Linux 7.3 as well as embedded real-time applications. As a result, it is the ultimate solution for telecommuni-cations, Internet, industry automation, and network computing applications.

PCI-1215

VIA Eden™ LP Half-size CPU Card w/ VGA/LAN
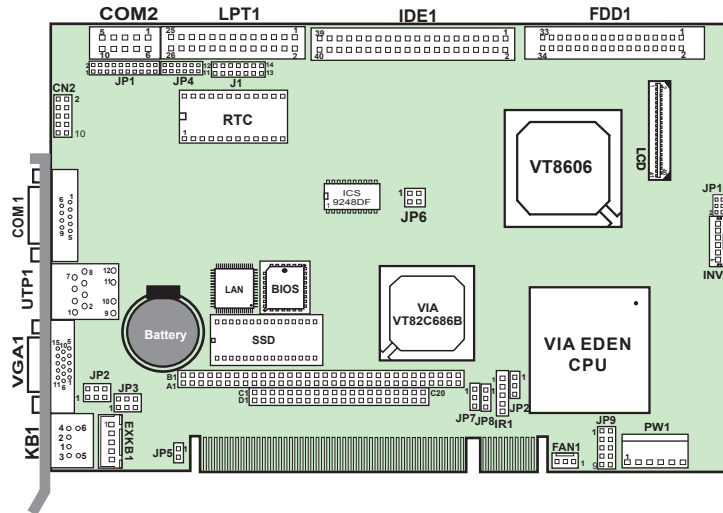
Specifications

System

CPU Type	VIA Eden™ processor
CPU Frequency	400/733MHz
Chipset	VIA VT8606 + VT82C686B
DRAM	1 x 144-pin SO-DIMM, support PC100/133 SDRAM up to 512MB
BIOS	Phoenix-Award PnP BIOS, with VGA BIOS
Watchdog	16 level Watchdog timer selectable w/Reset/NMI
Power Supply	Support AT/ATX power
Power Requirement	+5V, +12V
Power Consumption	+5V: 1.89A / +12V: 0.07A (VIA Eden™ 400MHz)
Dimension	185mm x 122mm (7.28" x 4.8")

/O Chipset

IDE Interface	1 x 40-pin IDE (UDMA 33/66/100)
SSD	32-pin socket supports DOC up to 288MB
FDD Interface	1
Bus Interface	PC104
Serial Port	2 x COM ports, COM1 for RS232, COM2 for RS232/422/485 (for 16550 compatible type of UART)
Parallel Port	1 x parallel (SPP/EPP/ECP)

IrDA	1 (SIR)
Keyboard	Mini DIN connector or external connector
Mouse	Mini DIN connector (selectable w/ KB) or Y-cable
LAN	Realtek RTL8100BL (10/100Mbps) Support Wake-on-LAN wtih ATX power
USB	2 x USB 1.1

Display

Graphic	Built-in VIA 8606, share system memory, support CRT, TTL & LVDS
LCD Interface	18/24-bit TTL, 18/36-bit LVDS

Environment

OperationTemp.	0°~60°C(32°~140°F)
Storage Tmp.	-40°~85°C(-40°~185°F)
Humidity	Operation humidity 20~90%, storage humidity 20~95%

Ordering Information

PCI-1215-C733	PCI CPU card with VIA Eden 733MHz CPU / VGA /LAN
PCI-1215-C400	PCI CPU card with VIA Eden
Certificate: CE, FCC, CLASS A	

PERFORMANCE & POWER CONSUMPTION

CPU Type	3D Mark 2001 SE	Business Winstone 2001	Content Creation Winstone 2001	Power Consumption +5V and +12V
VIA Eden™ 400MHz	150	12.8	13.3	1.89A / 0.07A

PROTECH SYSTEMS
It's a right choice