SBC

Prox-1230
VIA® Eden LP Mini Board w/VGA/Sound/LAN

Prox-1230 is a 3.5" mini board built-in with VIA® Eden Low Power CPU at speed of 667 or 800MHz, VGA, Sound, LAN and other enhanced I/O interface. It is designed for systems required compact board controllers with multi-functions. It has VGA function (up to 32MB share® memory) built-in VIA® VT8606 chip (Code: Twister) to simultaneously display both CRT monitor and LCD panel. Together with the VGA function, Prox-1230 is also equipped with VIA® VT1612A AC'97 Codec sound chip providing stereo full duplex multimedia environment to achieve conferencing and communication. All these features help the Prox-1230 to perform the best quality of graphic image, animation and sound.

It also provides solutions for networking systems. It is 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 128 MB DRAM, and one innovative CompactFlash socket allowing users to set as a boot-up drive with lower cost and more size of memories instead of the limitation by Disk-On-Chip.
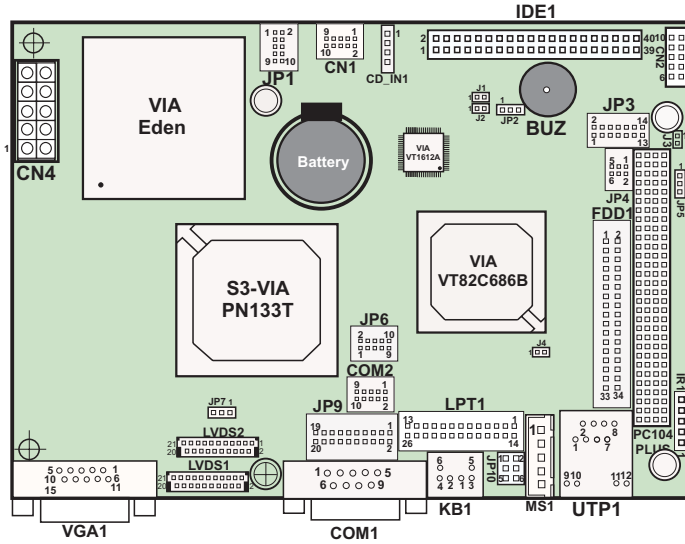
Intel® Communications Alliance
Affiliate Member
BRONZE

ISO CERTIFIED
9001 14001

Prox-1230

VIA®Eden LP Mini Board w/ VGA/Sound/LAN

Specifications

CPU Type	VIA Eden™ low power CPU on board
CPU Voltage	Auto detect
CPU Frequency	400/733MHz
Chipset	VIA 8606, VT82C686B
DRAM	1 x 144-pin SO-DIMM up to 256MB
Cache	Built-in CPU
BIOS	Phoenix-Award PnP BIOS 2 MB, with VGA BIOS
I/O Chipset	2 x EIDE (UDMA-33/66/100)
IDE Interface	1
FDD Interface	1
Serial Port	2 x 16550 UART, COM2 for RS232/422/485
Parallel Port	1 x parallel (SPP/EPP/ECP)
Watchdog	16 level Watchdog Timer selectable w/ Reset/NMI
CMOS	Built-in VIA VT82C686B
Keyboard	Mini DIN connector (selectable w/ keyboard/Y-cable)
Mouse	Mini DIN connector (selectable w/ KB/Y-cable)
VGA	Build-in VIA 8606, up to 32M shared memory for CRT & LVDS (36-bit)
Sound	VIA VT1612A, AC '97 Codec

LAN	RTL 8100BL, 10/100 Base-TX Ethernet
	1 x RJ-45 Jack, support Wake-on-LAN
IrDA	1 x IrDA (SIR)
USB	2 x USB 1.1
Bus Interface	PC/104 Plus Bus
Power Supply	Support ATX 12V power
Power Requirement	+5V and +12V
Hardware Monitor	Voltage, CPU temp. & cooling fan
Green Function	Controlled by hardware & software

Mechanical and Environment

Operation Temp.	0 ℃ ~ 60 ℃, 32 ℉ ~ 140 ℉
Storage Temp.	-40℃ ~ 85℃, -40℉ ~ 185℉
Humidity	20~90%
Vibration	2.5g acceleration over 5 to 2000Hz sine wave(p-p),1 oct/min sine sweep
Shock	30g, 11 msec duration, half-sine shock pulse
Dimension	102mm x 145mm, 4.02" x 5.71"

Available Models

Prox-1230 with VGA/Sound/LAN

PERFORMANCE & POWER CONSUMPTION

CPU Type	Business Winstone 99	Business Winstone 2000	Business Winstone 2001	Power Consumption +5V and +12V
VIA®C3 667MHZ	28.3	15.2	18.6	2.4A / 0.2A

PROTECH SYSTEMS
It's a right choice