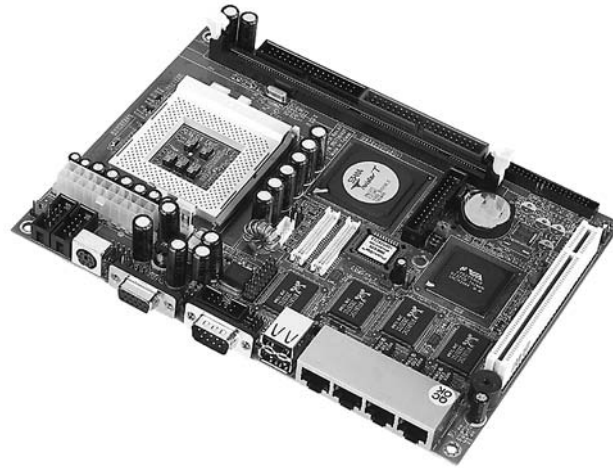


## ECP-5614

Intel Pentium III/Celeron  
Communication Platform



### FEATURES

- Supports Intel Pentium III/Celeron (Coppermine and Tualatin) Processors
- 2 COM/2 USB/1 Parallel/1 IrDA port
- Four Realtek 8139C 10/100Base-Tx Fast Ethernet controllers
- Compact Flash Type I/II Socket
- 4-bit TTL DI and 4-bit TTL DO
- VIA TwisterT VT8606 chipset with integrated S3 Savage4 2D/3D Graphics Accelerator

### Ordering Information

- ECP-5614  
Intel Tualatin Pentium III/Celeron Communication Platform with LCD, Dual-channel LVDS and Four 10/100Base-Tx Ethernet
- ECP-5614I  
Same as above, but with four Intel 82559 10/100 Base-Tx Ethernet

### SPECIFICATIONS

#### System

CPU	Supports Intel Pentium III/Celeron (Coppermine and Tualatin) & VIA C3 CPUs
FSB	66/100/133
BIOS	Award 256K Flash BIOS
Chipset	VIA TwisterT VT8606/VT82C686B
I/O Chipset	VIA VT82C686B
Memory	One 168-pin DIMM socket supports up to 512MB SDRAM
SSD	One Compact Flash Type I/II socket
Watchdog timer	Reset/IRQx; 2 ~ 255 sec. And 1 sec./step
Hardware status	Monitoring system temperature, voltage and cooling fan status
Expansion interface	One PCI slot

#### I/O

MIO	4 x EIDE (Ultra DMA 100), 2 x FDD, 1 X LPT, 2 x RS232, 1 x K/B & Mouse
IrDA	115 bps IrDA 1.0 compliant
USB Port	2 x USB 1.1 ports
DI/O	4-bit TTL DI and 4-bit TTL DO

#### Display

Chipset	VIA TwisterT VT8606 integrated S3 Savage4 2D/3D graphics engine
Display memory	8/16/32MB frame buffer using system memory
Resolution	CRT mode: 1920 x 1440 @ 16 bpp (60Hz)
LCD	Simultaneous mode: 1280 x 1024 @ 16 bpp (60Hz)
VGA/LCD interface	AGP 4X VGA/LCD interface. Supports 9/12/19/24/36-bit TFT and 16/24-bit colour DSTN panels
LVDS	Dual-channel, 2 x 18-bit

#### Ethernet

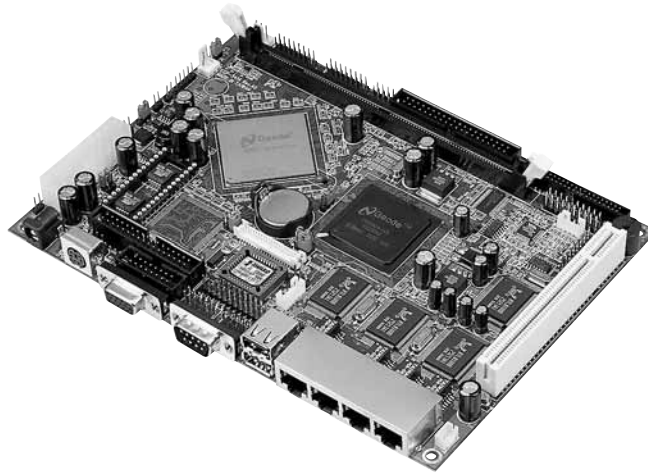
Chipset	Four Realtek 8139C or optional Intel 82559/82559ER
Ethernet interface	IEEE 802.3u 10/100Base-Tx Ethernet compatible
Remote boot ROM	Optional built-in boot ROM in Flash BIOS

#### Mechanical and Environmental

Operating temperature	0 to 60°C
Relative humidity	0% to 90% relative humidity, non condensing
Power requirement	+5V @ 4.4A, +12V @ 21mA (VIA C3 700MHz & 128MB SDRAM)
Power type	ATX
Dimensions (W x H x D)	203mm x 146mm
Weight	0.4kg

# ECP-5414

NS Geode GX1  
Communication Platform



## FEATURES

- Onboard NS Geode GX1 300 MHz Processor
- 2 COM/2USB/1 Parallel/1 IrDA ports
- Four Realtek 8100B 10/100Base-Tx Fast Ethernet controllers
- Optional 64MB SDRAM Onboard
- Compact Flash Type I/II Socket
- NS Geode GX1 integrated 2D Graphic Accelerator
- M-Systems DiskOnChip Onboard

## Ordering Information

- ECP-5414  
NS Geode GX1 300 MHz  
Communication Platform  
with LCD and Four  
10/100Base-Tx Ethernet

## SPECIFICATIONS

### System

CPU	Onboard NS Geode GX1 300MHz
BIOS	Award 256KB Flash BIOS
Chipset	NS Geode GX1/CS5530A
I/O Chipset	Winbond W83977F-A
Memory	One 168-pin DIMM socket supports up to 256MB SDRAM. Optional 64MB SDRAM onboard
SSD	One Compact Flash Type I/II socket. One M-Systems DiskOnChip socket
Watchdog timer	Reset/IRQx: 16 sec. ~ 127 min. and 30 sec./step
Expansion interface	One PCI slot

### I/O

MIO	4 x EIDE (Ultra DMA 33), 2 x FDD, 1 x LPT, 2 x RS232, 1 x keyboard & mouse
IrDA	115 bps, IrDA 1.0 compliant
USB Port	2 x USB 1.0 ports
DI/O	4-bit TTL DI and 4-bit TTL DO

### Display

Chipset	NS Geode GX1 integrated 2D graphics engine
Display memory	1/2/4MB frame buffer using system memory
Resolution	CRT mode: 1280 x 1024 @ 8 bpp (60Hz) LCD/Simultaneous Mode: 1027 x 768 @ 16 bpp (60Hz)
VGA/LCD interface	PCI bus VGA/LCD interface, supports 9/12/18-bit TFT panels

### Ethernet

Chipset	Four Realtek 8100B or optional Intel 82559/82559ER
Ethernet interface	IEEE 802.3u 10/100 Base-Tx fast Ethernet compatible
Remote boot ROM	Optional Built-in boot ROM in Flash BIOS

### Mechanical and Environmental

Operating temperature	0 to 60°C
Relative humidity	0% to 90% relative humidity, non condensing
Power requirement	+5V @ 1.3A (with NS Geode GX1 300MHz & 128MB SDRAM)
Power type	ATX
Dimensions (W x H x D)	203mm x 146mm
Weight	0.4kg