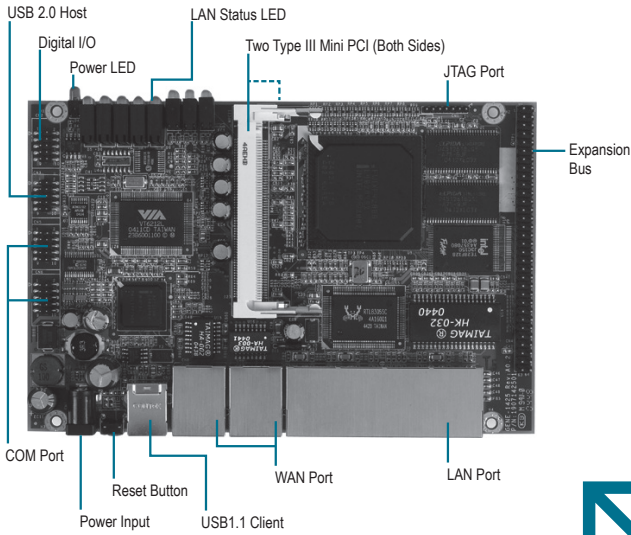


# GENE-1425

## RISC CPU Module with Intel XScale® IXP420/422/425 Network Processor

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RISC CPU Modules



### Features

- Intel XScale® IXP420/422/425 Network Processor
- Onboard 32/64/128MB SDRAM
- WAN Port x 2, LAN Port x 4
- Onboard 16MB StrataFlash®
- COM Port x 2, USB 2.0 Host x 2, USB1.1 Client x 1
- Type III Mini PCI Slot x 2
- MontaVista Linux Pre-installed In Onboard Flash Memory
- +9V to +24V DC Input



### Specifications

System	
Form Factor	3.5"
Processor	Onboard Intel XScale® IXP420/422/425 266/533MHz Network Processor
System Memory	Onboard 32/64/128MB SDRAM
Ethernet	Realtek RTL8305SC for one WAN port and four LAN ports Intel® 82551QM for an additional WAN port 10/100Base-TX, RJ-45 x 6
Boot Loader	RedBoot
Watchdog Timer	Generates a time-out system reset, setting via software
Expansion Interface	Type III Mini PCI socket x 2, Expansion bus
Power Requirement	+9V ~ +24V
Power Consumption (Typical)	266MHz, 32MB SDRAM +12V @ 0.39A
Board Size	6.14" (L) x 4" (W) (156 mm x 101.6 mm)
Gross Weight	0.88 lb (0.4 kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	90,000
I/O	
Storage	Intel® StrataFlash® 16MB, Type II CompactFlash™
Serial Port	RS-232 x 2 (Tx, Rx, CTS, RTS only)
USB	USB 2.0 host x 2, USB1.1 client x 1
Digital I/O	Supports 8-bit (programmable)

### Packing List

- 1757902000  
+12V Output Power Adapter
- 1701100207 x 2  
2 COM Port Cables
- 1709100201  
USB Cable
- Null Modem Cable
- Cross Over Ethernet Cable
- Quick Installation Guide
- Utility CD
- GENE-1425

### Ordering Information

- TF-GENE-1425-A10  
RISC, IXP420, 32MB RAM, 4 LAN, 2 WAN, 2 COM, USB 2.0, 16MB Flash, CompactFlash™, 2 Mini PCI, Rev. A1.0