



CATO-3000/2000 Series

The powerful single chip platform with Intel® EP80579 integrated processor with QuickAssist Technology for networking security and IP telephony



FEATURE

- Single chip simplicity, low power consumption and familiar IA-32 architecture for software programming
- Support DDR2 800/667 ECC memory up to 4GB
- 3 Gigabit Ethernet interfaces via RGMII with hardware security acceleration
- Software programmable Bypass features built-in
- 3 Fiber Optical GbE interfaces (RGMII) available by request for project^{*(1)}
- 4 Gigabit Ethernet interfaces via PCI-E for extended networking application^{*(2)}
- One PCI-E x4 slot for required expansion
- Built in TDM interface for support up to 12 T1/E1 links^{*(1)}
- Security services and bulk crypto for IPSec, VPN, Firewall, SSL, IP Forwarding & TCP Proxy

SPECIFICATION



CPU Board	- Built with Intel® EP80579 integrated Processor with QuickAssist Technology - Support 1.2G/1.0G/600MHz CPU speed
System Memory	Support DDR2 800/667, ECC-unbuffered memory up to 4GB
Ethernet Port	- 3 RGMII GbE ports w/ RJ45 - 4 PCI-E x1 GbE ports w/ RJ45 connector ^{*(1)}
Bypass Feature	- One Gen-2.0 bypass segment on CATO-3000 series - Two Gen-1.5 bypass segment on CATO-2000 series
Security Service	- Available with EP80579 Integrated Processor with QuickAssist Technology - Support IPSec, VPN, Firewall, SSL, IP Forwarding & TCP Proxy
TDM Features ^{*(1)}	- Available with EP80579 Integrated Processor with QuickAssist Technology - Reserved interface (Pin-header) for future connection with proprietary E1/T1 board
Expansion Slot	- One front-access PCI-E x4 slot for flexible add-on expansion - Support half-size, full-height add-on cards
Storage Device	- Support one 3.5" SATA HDD installation (none PCI-E card installable) - Supports one 2.5" SATA HDDs installation while PCI-E add-on card installed - Supports SATA DOM and CF installation
Serial Port	2 UART: 1 RJ45 console, 1 pin-header for connection with LCM
LCD Panel	EZIO-3 w/ 2x16 LCD, blue backlight and 4 input button
LEDs	Power status, data access, Ethernet status, Ethernet speed (10/100/1000) and bypass
USB	Dual USB.2.0 ports, front accessible
Power	150/100W FlexATX PSU w/ Active PFC, 100~240VAC auto range
Dimension	443(W) x 254/279(D) x 44(H)mm 17.45"(W) x 10/11"(D) x 1.75"(H)
Packing Dimension	22.4"(W) x 24.4"(D) x 8.7"(H)
Operating Environment	- Temperature: 5 to 40°C (41 to 104°F) - Humidity 20% to 90%RH
Storage Environment	- Temperature: 0 to 70°C (32 to 158°F) - Humidity 5% to 95%RH
Certification	CE/FCC/UL/cUL (to be applied)

^{*(1)} Available only for CATO-3000

^{*(2)} 4 PCI-E x1 GbE interfaces by CATO-3000
1 PCI-E x1 GbE interfaces by CATO-3000

ORDERING GUIDE

Part No.	With Intel QuickAssist Technology	Frequency	RGMII GbE, SFP	RGMII GbE, RJ45	PCI-E x1 GbE, RJ45	Bypass Segment	EZIO
CATO-3001-0722	Yes	1.2GHz	N/A	3	4	1	Yes
CATO-3001-3422	Yes	1.2GHz	3	N/A	4	N/A	Yes
CATO-2000-0441	N/A	600MHz	N/A	3	1	2	N/A
CATO-2000-0446	Yes	1.2GHz	N/A	3	1	2	N/A