CAT-8020

Tilera® TILE-Gx72 72-Core Processor based 1U Hybrid System

FEATURE

- Tilera® TILE-Gx72 Processor (72-core)
- Intel® Ivy Bridge Core™ i7 Processor (COM Express)
- 8 DIMMs DDR3 up to 128GB
- IMPI v2.0 Module with GbE

The CAT-8020 is the latest Heterogeneous Multicore System (HMS) for Portwell's communication appliance; it has outstanding computing power and effective power consumption along with flexible I/O module for Ethernet bandwidth. The CAT-8020 combines Intel Ivy bridge processor with Tilera CPU embedded in COMe module, providing a powerful solution for network processing, multimedia and cloud appliance, its HMS architecture opens the opportunities for diversified applications in network communication and cloud services.

SPECIFICATION

CPU Board	- Tilera® Gx72 (72-core)
System Memory	8 x DDR3 ECC Long-DIMMs, up to 128GB
Ethernet Port	8 x 10GbE SFP+, 8GbE RJ45
Bypass	4 Segments
Expansion	- PCIe x8 Gen.2 Interface for Type VI COM Express Module - 2 x PCIe x4 Gen. 2 Interface for Portwell NIP Module - PCIe x4 Gen. 2 Interface for RAID Controller
Storage Device	- 2 x 2.5" Swappable SATA HDD/SSD - CFex Socket
Serial Port	1 x 1to3 RJ45 System Console
LCD Panel	16 x 2 Characters
USB	Dual USB ports, front accessible
LOM	IPMI 2.0 with GbE Speed (Optional)
Power	Redundant 400W PSU
Dimensions	- 550(W) x 438(D) x 44(H)mm - 15.9''(W) x 17.24''(D) x 1.71''(H)
Operating Environment	- Temperature: 0 to 40°C (32 to 104°F) - Humidity 20% to 90%RH @ 55°C
Storage Environment	- Temperature: -10 to 70°C (14 to 158°F) - Humidity 5% to 95%RH @ 55°C
Certification	CE/FCC/UL