

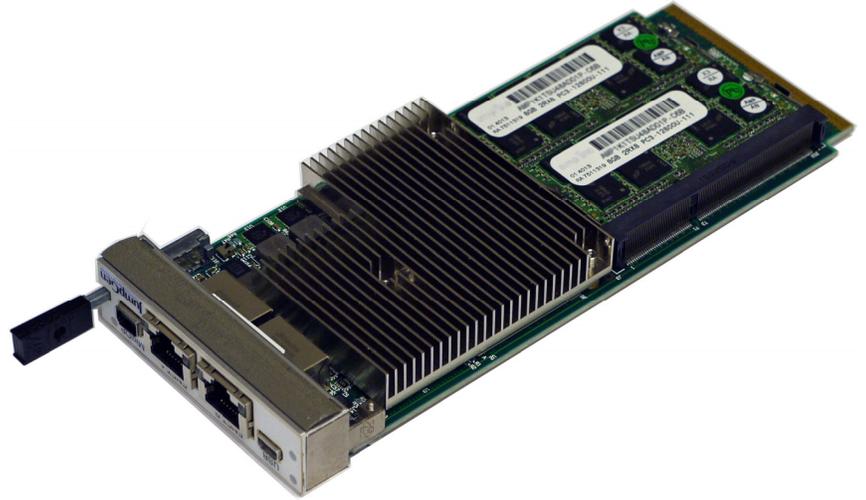
▶ PRM-130

4th Gen Intel Core High-Performance AMC Processor Card

▲ SUMMARY

Featuring the 22nm 4th Gen Intel® Core™ i5-4402E 1.6GHz dual-core processor – or for greater performance, the 2.4GHz quad-core i7-4700EQ – the PARPRO PRM-130 Processor Card is a high performance processor AdvancedMC™ (PrAMC) card designed for use in ATCA or MicroTCA systems.

Including Intel 8 series chipsets (based on Intel's 3D tri-gate transistor manufacturing technology) and dual Intel® 82599 10 Gigabit Ethernet network port and the Intel® Ethernet Controller i350, the PRM-130 can be delivered with an extraordinary 16GB of DDR3 ECC memory running at 1600 MHz and up to 64GB of onboard bootable SSD. Refer to the block diagram for detail.

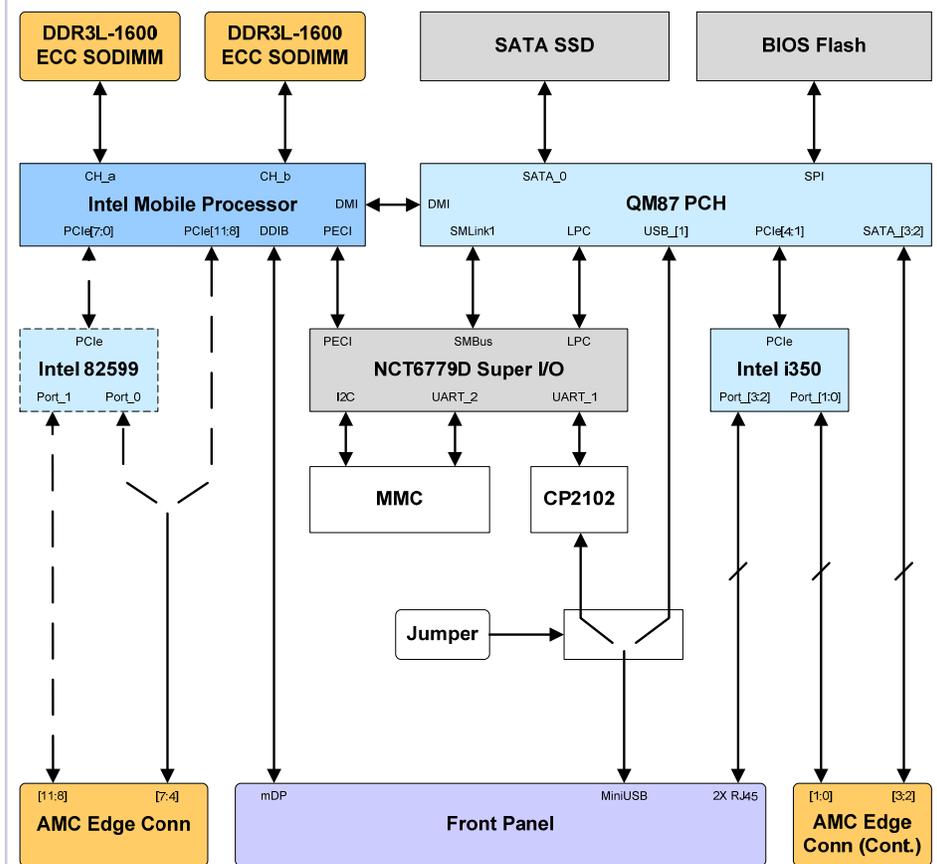


▲ KEY FEATURES

Integrated graphics controller, Mini DisplayPort interface and Mini USB ideal for:

- ◆ Industrial Control Systems
- ◆ Military Automation
- ◆ Medical Imaging
- ◆ Advertising

▲ BLOCK DIAGRAM





PRM-130

4th Gen Intel Core High-Performance AMC Processor Card

▶ SPECIFICATIONS



Central Processing Units (CPUs)	Intel® Core™ i5-4402E 22nm CPU <ul style="list-style-type: none"> • 1.6GHz dual core with 3MB smart cache • Up to 16GB of DDR3 memory w/ ECC running at 1600Mbps • Dual channel, x72 bus width Option: Intel Core i7-4700EQ 2.4GHz quad core CPU
Server Processor	AMC.3 Dual SATA channels (Lanes 2, 3) AMC.1 Type 4, PCIe x4 Root (Lanes 4-7) (Build Option) <ul style="list-style-type: none"> • AMC.1 R1.0 and R2.0 compatible • Source or Receive FCLKA available AMC.2 Type 6, Dual XAUI 10gigE (Lanes 4-7, 8-11) (Build Option) AMC.2 Dual 1000Base-BX Ports configured as Type E2 (Lanes 0, 1) Front Panel Ports: <ul style="list-style-type: none"> • Dual 10/100/1000Base-T Ports • 4-Lane MiniDisplay Port • MiniUSB Host or UART Slave Interface (jumper select)
Mass Storage	8-64 GB Solid State Drive (SSD)
BIOS support	PXE boot (GigE or 10GigE ports) SATA boot (off-board devices) SSD boot USB boot (off-board devices)
Mechanical	Standard AMC Full-Size or Mid-Size form factor 3/4 length full height (10.80" long, plus connectors)
Environmental	Operating temperature range: 0 to 55 °C Humidity: 0 to 95% (non-condensing)

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PARPRO Embedded Systems
(formerly JumpGen Systems)
2141 Palomar Airport Road, Suite 350
Carlsbad, CA 92011

Phone: 760-931-7800
Fax: 760-931-7810
E-mail: sales@parpro.com
Web: PARPRO.COM