Intel 3rd Gen Ivy Bridge Quad-Core i7 Six GbE Fanless Barebone System

The PRO-6820 fanless system is a fanless barebone system, with a chassis built tough and rugged for extended industrial processing indoors or outdoors. One of the typical applications this system may be used for is outdoor video surveillance, network video recording, traffic control, or similar applications. The system measures in at 9.45"x9.96"x4.53" much bigger than our small form factor systems, running off Intel's 3rd Generation Ivy Bridge Quad Core i3/i5/i7 processor, and capable of up to 8GB of memory from 2x 204-Pin DDR3 SS-DIMM slots. Rich with I/Os, the PRO-6820 offers six (6) USB slots, 2x front accessible USB 3.0 slots and 4x rear USB 2.0 slots. The system also has 2x PS2 ports, externally accessible 8-bit GPIO port, 4x COM ports, 6x LAN ports, 1x mic-in, 1x audio-out, 1x CF Card Socket & externally accessible 2.5" SATA HDD. The graphics card allows 1x VGA port with resolution up to 2048x1536 & 1x DVI-D ports with resolution up to 1920x1200. The fanless, vent-hole-free system can perform in extended temperature environments with operating temperatures measured at -30°C - 70°C (-22°F - 158°F).

PRO-6820

Fanless Six GbE Barebone Supports Intel 3rd Gen Ivy Bridge Quad-Core i7

Features:

- Intel 2nd/3rd Gen Core i-Series Mobile Processors
- Highly Efficient Fanless Design For Extended Temperature Environment
- Vent-Hole Free Construct w/ Ext. Accessible 2.5" Bay And CF Slot
- QM77 Chipset Supports 3rd Generation Intel® Core™ i5/i7 Dual Mini-PCIe Expansion With Two SIM Socket For Wifi and 3G/4G Mod.
- Six Gigabit Ethernet Ports And Four COM Ports
- Built-In Watchdog Features And Instant OS Recovery Function

Specifications:

PRO-6820	
Processor	Intel 2nd & 3rd Core i3/i5/i7 (LGA1155)
Chipset	QM77
System Memory	2x 204-Pin DDR3 SO-DIMM, up to 8GB
Ethernet	6x RJ45, 1x Intel 82579LM GbE , 5x Intel 82574L GbE
Storage	1x 2.5" Removable SATA HDD Bay, 1x 3.5" HDD Bay, 1x Front Accessible CF, 1X mSATA (Optional)
Expansion	2x Mini-PCIe, 2x Internal SIM Slot
Cooling System	Fanless, Power Design Supports Up To 35W TDP CPUs
Power Supply	12-28V DC 3-pin Terminal Block
Graphic Controller	Intel Integrated HD Graphics 4000
Video Memory	Shared, up to 1686MB
Display Interface	1x VGA, 1x DVI-D
Display Resolution	VGA - 2048x1536, DVI-D - 1920x 1200
Serial Port	4x COM Ports (2x RS232, 2x RS232/485/422)
USB	2x USB 3.0, 4x USB 2.0 (external), 6x USB 2.0 (Internal)
Audio	HD Audio, Realtek ALC887, Line-out, MIC-in
Rear Panel	4x COM, 2x Audio In/Out, 4x Ethernet, 4x USB, 1x Power, 1x DVI, 1x VGA, 1x HDD, 1x GPO/GPI 1x CF Socket, 1x Power Button
Front LED/Control	1x SATA, 1x PS/2, 2x USB 3.0
Watchdog Timer	Yes
Features and Options	Ivy Bridge Intel® HD Graphics with DirectX 11 support, Dual Intel® Ethernet ports 82579LM + 82574L, SATA III 2.5" HDD or SSD internal drive bay, Intel AMT Release 8.0 support on 3rd Generation Intel Core i7/i5
Enclosure Materials	Aluminum + Steel
Coating Processes	Aluminum Oxidation
Mounting Option	Wall Mounting Bracket Included
Color	Orange & Gray
Operating Temperature	-30°C - 70°C
Dimensions	240mm (W) x 253mm (D) x 115mm (H)