



Latest Intel® Atom™ Industrial Computers

Industrial Computing Boards,
Embedded system, All-in-one panel PC



Fanless • Security • Infotainment • Building Automation

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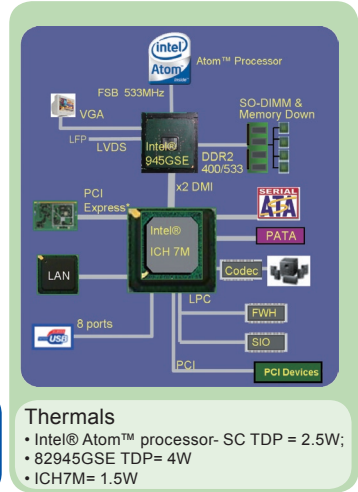
Complete Atom Solutions

IEI Technology Corp. (IEI), the global industrial PC innovator, today announced the launch of wide range of products based on the 45 nm Intel® Atom™ processor N270. IEI Intel® Atom™ platforms include single board computers (SBC) of varying form factors, Afolux panel PCs (PPC) and panel PCs (PPC).

**Navy Pier
3 Chips solution**



The 45 nm Intel® Atom™ processor N270 has a 1.60 GHz clock speed and a 533 MHz FSB with a 512 KB L2 cache. The Intel® Atom™ is interfaced through the 533 MHz FSB to an Intel® 945GSE graphics memory controller hub (GMCH) which is in turn interfaced through a high-speed direct media interface (DMI) to an Intel® Mobil ICH7-M I/O controller hub (ICH).



Intel® Atom™ Processor

- Low Power Micro architecture on 45nm technology
- Performance and Power Optimized for small form-factor, ultra-low power embedded platforms

Thermals

- Intel® Atom™ processor- SC TDP = 2.5W;
- 82945GSE TDP= 4W
- ICH7M= 1.5W

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WSB-ATOM

Full-size PICMG 1.0 CPU card supports Intel® Atom™ processor and comes with VGA, Dual PCIe GbE, USB 2.0, SATA and Audio



Features

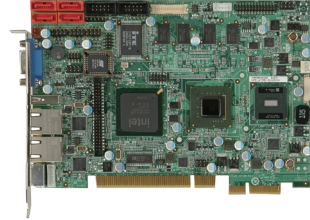
1. PICMG 1.0 and RoHS compliant
2. Intel® Atom™ processor N270 at 1.6GHz core speed with a 533MHz FSB and 512KB L2 cache
3. Enhanced technology for lower power consumption
4. Two SATA and CF type I/II for data storage

Specifications

Model	WSB-ATOM	PICOe-ATOM
CPU	On board Intel® Atom™ N270 processor 1.6GHz 512KB L2 cache with a 533MHz FSB	On board Intel® Atom™ N270 processor 1.6GHz 512KB L2 cache with a 533MHz FSB
System Chipset	Intel® 945GSE + ICH7M	Intel® 945GSE + ICH7M
BIOS	AMI Flash BIOS	AMI Flash BIOS
System Memory	One 240-pin 533/400 MHz DDR2 SDRAM DIMM supported (system max. 2GB)	On board 512MB DDR2 533MHz memory and One 200-pin 533/400 MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
Ethernet	Dual Realtek 8111CP PCIe GbE controller	Dual PCI Realtek 8110SC GbE
Display Interface	VGA Integrated in Intel® 945GSE	VGA Integrated in Intel® 945GSE HDTV/TV support NTSC/PAL and HDTV resolution up to 1080i 18-bit dual-channel LVDS IEI SDVO interface for video adapter boards
I/O Interface	2 x RS-232 7 x USB 2.0 (1 on bracket, 6 on board by pin header) 2 x SATA 1 x IDE 1 x LPT 1 x PS/2 connector for KB/MS	2 x RS-232 7 x USB 2.0 (1 on bracket, 6 on board by pin header) 4 x SATA 1 x LPT 1 x PS/2 connector for KB/MS
Infrared Interface	1 x Infrared by pin header	1 x Infrared by pin header
Watchdog Timer	Software programmable supports 1 ~255 sec. System reset	
SSD	CF type I/II	1 x CF type I/II
Audio	Support 7.1 channel HD audio or 5.1 channel AC-97 audio by IEI audio kits	
Super I/O	ITE IT8718F	ITE IT8718F
Digital I/O	8 bit digital I/O, 4-bit input/ 4-bit output	8-bit digital I/O, 4-bit input/ 4-bit output
Power Supply	AT/ATX Power	AT/ATX Power
Power consumption	5V@2.55A, 12V@0.23A (Intel® Atom™ N270 1.6GHz/533MHz CPU with 1GB DDR2 533MHz)	5V@2.89A, 12V@0.22A (Intel® Atom™ N270 1.6GHz/533MHz CPU with 1GB DDR2 533MHz)
Temperature	Operation: 0°C ~ 60°C (32°F ~ 140°F)	Operation: 0°C ~ 60°C (32°F ~ 140°F)
Humidity	Operation: 5% ~95% non-condensing	Operation: 5% ~95% non-condensing
Dimension	338 mm x 122 mm	185 mm x 122 mm
Weight	GW: 1000 g / NW: 250 g	GW: 1000 g / NW: 250 g

PICOe-ATOM

Half-size PCIe CPU Card with Intel® Atom™ processor, 512MB memory on board, VGA/ LVDS/HDTV-out, Dual GbE, USB 2.0 and SATA

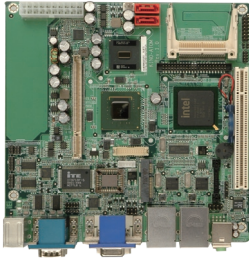


Features

1. PCIe CPU card supports four PCIe x1 or one PCIe x4 and 4 x PCI expansions
2. Intel® Atom™ processor N270 at 1.6GHz core speed with a 533MHz FSB and 512KB L2 cache
3. 512MB of 533MHz DDR2 SDRAM on board
4. Support VGA, HDTV-out (up to 1080i) and 18-bit dual-channel LVDS with dual-display support
5. I/O includes, two RS-232, seven USB 2.0 and four SATA

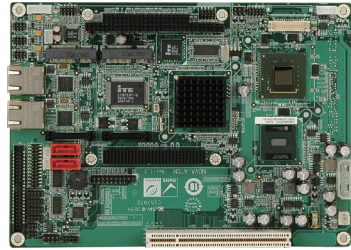
KINO-ATOM

Mini-ITX SBC with Intel® Atom™ N270 1.6G, VGA/DVI/TV, Dual PCIe GbE, USB2.0, SATA and Audio



NOVA-ATOM

5.25" SBC, Intel® Atom™ N270 1.6GHz, LVDS/ VGA/ HDTV, Dual PCIe Mini, Dual PCIe GbE, USB2.0, SATA, RoHS



Features

1. Intel® Atom™ Processor N270 1.6G for ultra low voltage fan-less support
2. DDR2 400/533 SO-DIMM Memory support up to 2GB
3. Dual Display support by VGA + DVI-D, LVDS + VGA, LVDS + DVI-D
4. Support PCIe mini Card, PCI slot for expansion
5. Support 6x USB2.0, 2x SATA, 4x COM

Features

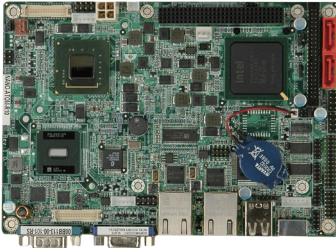
1. Intel® Atom™ Processor N270 1.6GHz for ultra low voltage fan-less support DDR2 400/533 SO-DIMM Memory support up to 2GB
2. Support Dual PCIe mini Card, PCI slot for expansion
3. Support LVDS, TV-out, VGA Display output
4. CF Socket for Storage Expansion
5. TPM support

Specifications

Model	KINO-ATOM	NOVA-ATOM
CPU	Intel® Atom™ Processor N270 1.6GHz with a 533MHz FSB	Intel® Atom™ Processor N270 1.6GHz with a 533MHz FSB
System Chipset	Intel® 945GSE+ICH7M	Intel® 945GSE+ICH7M
BIOS	AMI BIOS Label	AMI Flash BIOS
System Memory	One 200-pin 400/533 DDR2 SDRAM SO-DIMM supported (system max. 2GB)	One 200-pin 400/533 DDR2 SDRAM SO-DIMM supported (system max. 2GB)
Ethernet	Dual Realtek PCIe 8111CP GbE Chipsets	Dual Realtek PCIe RTL8111CP GbE LAN
Display Interface	VGA integrated in Intel 945GSE Support HDTV resolution up to 1080i by component interface 18 bit Dual channel LVDS by Intel 945GSE DVI-D support by Chronlet Silicon image Sil1362	Analog CRT Support for CRT Hot plug support TV-out by component interface 18bit Dual Channel LVDS Support up to UXGA (1600x 1200)
Expansion slot	1 x PCI, 1 x PCIe mini card	1 x PC/104+ (ISA+PCI bus), 2 x PCIe mini card, 1 x PCI
I/O Interface	6 x USB2.0 1 x CF Type II 1 x IDE	3 x RS-232 1 x LPT 1 x RS-232/422/485 1 x IDE
Graphic	Intel® Generation 3.5 integrated GFX Core 133Mhz	Intel® Generation 3.5 integrated GFX Core (133Mhz)
Infrared Interface	Infrared Interface by pin header	1x Infrared Interface by pin header
Watchdog Timer	Software Programmable support 1-255 sec. System reset	software programmable 1-255 sec. by super I/O
SSD		CF Type II
WDT	Software Programmable support 1-255 sec. System reset	
Audio	Realtek ALC655 AC'97 Codec	AC'97 ALC655 codec
TPM		1x 20pin pinheader
Super I/O	ITE IT8712	ITE8718F
Digital I/O	8-bit digital I/O, 4-bit input/ 4-bit output	8-bit digital I/O (4-bit input, 4-bit output)
Power Supply	5V/12V, AT/ATX Support	AT/ATX Power
Power consumption	5V@2.89A, 12V@0.04A (Intel® Atom™ N270 with 1GB DDR2)	5V@2.89A, 12V@0.04A (Intel® Atom™ N270 with 1GB DDR2)
Temperature	Operation: 0°C~60°C (32°F~140°F)	Operation: 0°C ~ 60°C (32 ~ 140° F)
Humidity	Operation: 5% ~95% non-condensing	Operation: 5% ~ 95%, non-condensing
Dimension	170mm x 170mm	203mm x 146mm
Weight	GW: 1100g / NW: 370 g	GW:1000g, NW:400g

NANO-ATOM

EPIC SBC with Intel® Atom™ Processor, VGA/Dual LVDS/Dual PCIe GbE, CF type II, SATA



Features

1. Intel® Atom™ Processor N270 1.6G CPU for Ultra Low Voltage Fan-less support
2. Single 12V power input, Provide 5V output for SATA Device
3. Dual LVDS support dual independent display
4. Support 4x COM, 6x USB, 2x SATA
5. Support PCIe Mini Card, PCI-104 for expansion

Specifications

Model	NANO-ATOM	WAFER-ATOM
CPU	Intel® Atom™ Processor N270 1.6GHz with a 533Mhz FSB	Intel® Atom™ Processor N270 1.6GHz with a 533Mhz FSB
System Chipset	Intel® 945GSE / Intel® 82801GBM/ICH7M	Intel® 945GSE / Intel® 82801GBM/ICH7M
BIOS	AMI BIOS	AMI BIOS
System Memory	One 200-pin 533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)	One 200-pin 400/533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
Ethernet	Dual PCIe Realtek 8111CP GbE Chipsets	Dual PCIe Realtek 8111CP GbE Chipsets
Display Interface	Intel® Generation 3.5 integrated GFX Core (133Mhz) VGA intergrated in Intel® 945GSE support HDTV resolution up to 1080i by component interface Dual LVDS support: 18 bit dual-channel LVDS intergrated in Intel® 945GSE 18/24 dual-channel LVDS support by Chrontel CH7308 (NANO-ATOMLVDS2)	Intel Generation 3.5 integrated GFX Core (133Mhz) VGA intergrated in Intel 945GSE 18 bit dual-channel LVDS intergrated in Intel 945GSE
Expansion slot	1 x PCI-104 (PCI Bus), 1 x PCIe mini card	1x PCI Express Mini Card
I/O Interface	6 x USB 2.0 1 x IDE 1 x RS-232/422/485 1 x LPT 2 x SATA 3 x RS232 1 x PS/2 for KB/MS 1 x CF Type II	6 x USB 2.0 5 x RS-232 1 x PS/2 for KB/MS 2 x SATA 1 x RS-232/422/485 1 x CF Type II
Infrared Interface	1 x Infrared Interface by pin header	
Watchdog Timer	software programmable 1-255 sec. by super I/O	software programmable 1-255 sec. by super I/O
Audio	5.1 channel audio kit with Realtek ALC655 AC'97 codec 7.1 channel HD audio kit with Realtek ALC883 codec supports dual audio streams	Realtek ALC655 with AC'97 codec
Super I/O	ITE IT8718	ITE IT8718
Digital I/O	8-bit digital I/O, 4-bit input/4-bit output by supper I/O	8-bit digital I/O (4-bit input, 4-bit output)
Power Supply	12V only, AT/ATX support	5V only, 12V for LCD/System FAN, AT/ATX support
Power consumption	12V@1.53A (Intel® Atom™ N270 with 2GB DDR2)	5V@2.94A (Intel® Atom™ N270 1.6G with 1GB DDR2)
Temperature	Operation: 0°C~ 60°C (32°F~ 140°F)	Operation: 0 ~ 60°C (32 ~ 140°F)
Humidity	Operation: 5% ~95 non-condensing	Operation: 5% ~95 non-condensing
Dimension	165 mm x 115 mm	146 mm x 102 mm
Weight	GW: 700g NW 350g	GW: 700g NW 230g

WAFER-ATOM

3.5" SBC with Intel® Atom™ Processor, VGA/ LVDS/Dual PCIe GbE, CF type II, SATA

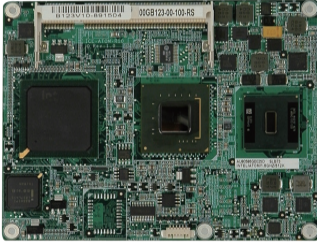


Features

1. Intel® Atom™ N270 1.6GHz CPU for Ultra Low Voltage Fan-less support
2. Support Dual display for VGA+LVDS
3. System Memory support up to 2GB/DDR2 533MHz
4. Support 6x COM, 6x USB2.0, 2x SATA and CF Typell socket
5. Thermal design for easy assembly

ICE-ATOM

COM Express Basic Type 2 Module, Intel® Atom™ Processor,VGA/LVDS, GbE, SATA, USB and Audio



Features

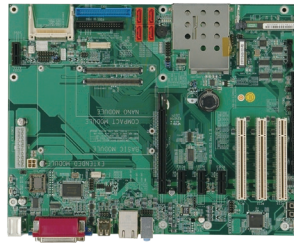
1. COM Express Type II Basic Module
2. Support 1x SDVO, 4x PCIe x1, 4x PCI Slot for expansion
3. Support Dual Display for VGA + LVDS
4. Support 8x USB2.0, 2x SATA, 1x IDE Interface
5. Ultra Low power design for Fanless solution

Specifications

Model	ICE-ATOM
CPU	Intel® Atom™ Processor N270 1.6GHz with a 533MHz FSB
System Chipset	Intel® 945GSE Intel® 82801GBM/ICH7M
BIOS	AMI BIOS
System Memory	One 200-pin 533/400MHz DDR2 SO-DIMM supported (system max. 2GB)
Ethernet	One Intel 82541PI GbE Chipset
Display Interface	VGA/HDTV Integrated in Intel 945GSE Signal (to Base Board) 18-bit Dual channel LVDS Signal (to Base Board)
Expansion slot	1 x SDVO signal to Base Board 4 x PCIe x1 signal to Base Board 4 x PCI , 32 bit / 33 MHz PCI bus to Base Board
I/O Interface	8 x USB 2.0 (to Base Board) 2 x SATA (to Base Board) 1 x IDE channel (to Base Board)
Watchdog Timer	Software programmable supports 1 ~255 sec. System reset (Depend on Super I/O of Base Board)
Power Supply	AT / ATX supported
Power consumption	12V@0.95A (Intel® Atom™ N270 with 1GB DDR2)
Temperature	Operation: 0°C ~ 60°C (32°F ~140°F)
Humidity	Operation: 5% ~95 non-condensing
Dimension	125 mm x 95 mm
Weight	GW: 700g NW 250g

ICE-DB-9S

Base Board for COM Express Type 2 modules



Features

1. ATX Form factor Base board for COM Express type 2 Modules
2. Support 1x PCIe x16/4x PCIe x1, 3x PCI for Expansions
3. Second support I/O support up to 6x COM Ports
4. COM2/COM3 with 5V/12V power by jumper selection

Model	ICE-DB-9S
CPU Module interface	Supports COM Express Compact / Basic / Extended modules using connector pinout Type 2
Display Interface	VGA DB15 connector 18/24 bit dual channel LVDS TV-out interface
Expansion slot	1 x PCIe x16 4 x PCIe x1 3 x PCI , 32 bit / 33 MHz PCI bus 1 x PCIe Mini card 1 x Express Card 1 x Mini PCI
I/O Interface	4 x SATA/SATA II 1 x IDE 1 x CF type II 5 x RS-232 (COM2/COM3 with 5V/12V power) 1 x RS-232/422/485 2 x PS2 KB/MS 6 x USB 2.0 1 x LPT 1 x FDD
Audio	Realtek ALC888 for 7.1 channels HD audio 1 x Mic-in, Lin-in, Lin-out connector 1 x Front Audio
Ethernet Connector	1 x RJ-45 connector for GbE
Super I/O	First Super I/O: Winbond W83627EHG Second Super I/O: Fintek F81216
Digital I/O	8-bit digital I/O, 4-bit input/4-bit output by Winbond W83627EHG 8-bit digital I/O, 4-bit input/4-bit output by Fintek F81216
Infrared Interface	1 x Infrared interface by pin header
Power Supply	ATX / AT support
Fan	3 x Fan Connector, Support smart fan for CPU Fan (FAN1)
Temperature	Operation: 0°C ~ 60°C (32°F ~ 140°F)
Humidity	Operation: 5% ~95 non-condensing
Dimension	304.8 mm x 243.8 mm (12" x 9.6")

AFL-07A-ATOM

- 7" Fanless Widescreen WVGA Touch Panel PC
- Intel® Atom™ N270 1.6G Processor



AFL-08AH-ATOM

- 8.4" Fanless SVGA High Brightness Touch Panel PC
- Intel® Atom™ N270 1.6G Processor



Features

1. 7"~12.1" fanless system with resistive touch screen
2. System memory up to 2 GB SDRAM
3. Built-in 802.11b/g Wireless LAN
4. Built-in Bluetooth module
5. Built-in two 1.5 W speakers
6. Built-in HSDPA module for mobile connection (Optional)
7. One compact flash slot
8. IP 64 compliant front panel

450 nits
High
Brightness

Specifications

Model	AFL-07A-ATOM	AFL-08AH-ATOM
LCD Size	7"	8.4"
Max Resolution	800 * 480	800 * 600
Brightness (cd/m2)	350	450
Contrast Ratio	400:1	500:1
LCD Color	262K	262K
Pixel Pitch (mm)	0.1905(H) x 0.1905(V)	0.213(H) x 0.213(V)
Viewing Angle (H-V)	140/110	120/100
Backlight MTBF	50000 hrs	50000 hrs
SBC Model	AFLMB-ATOM-R10	
CPU	N270 (Atom 1.6G)	
Chipset	Intel 945GSE / ICH7M	
RAM	Supports one 2GB (maximum) 400MHz or 533MHz DDR2 SO-DIMM	
I/O Ports and Switches	1 x RS-232 2 x USB 2.0 1 x RS-232/422/485	1 x Power Switch 1 x Reset Button 2 x LAN Ports 1 x Audio Jack
SSD	CF Type II	
Watchdog Timer	Software programmable supports 1~255 sec. System reset	
Audio	AMP 1.5W + AMP 1.5W	
Expansion	1 x Mini PCIe (Wireless 802.11 b/g LAN Module) , 1 x Bluetooth Module (USB Interface, Bluetooth V2.0)	
HDD Drive Bay	N/A	N/A
Optional HSDPA Module	No	
Construction Material	ABS + PC Plastic front frame	
LED Function	1 x Power ON/OFF LED on front panel	
Mounting	Panel, Wall, Rack, Stand or Arm VESA 75mm x 75mm / 100mm x 100mm	
Front Panel Color	Gray 7539U	Gray 7539U
Dimensions (WxHxD) (mm)	226 x 140 x 40.18	233.86 x 183.86 x 41.09
Operation Temperature (°C)	-10°C~50°C with CF Card	
Storage Temperature (°C)	-20°C~60°C	-20°C~60°C
Net Weight	0.6 Kg	0.8 Kg
IP Level (front panel)	IP64	IP64
Safety & EMC	CE/FCC/CB/CCC	
Touch Screen	Resistive Type 4-Wire (touch controller IC is on board)	
Power Adapter	P/N:63000-FSP0361AD101C-RS Power:36W Input: 90VAC~264VAC @ 50/60Hz Output:12VDC	P/N:63000-FSP0361AD101C-RS Power:36W Input: 90VAC~264VAC @ 50/60Hz Output: 12VDC
Power Requirement	12VDC	12VDC
Power Consumption	23W	25W

AFL-10A-ATOM

- 10.4" Fanless SVGA Touch Panel PC
- Intel® Atom™ N270 1.6G Processor



AFL-12A-ATOM

- 12.1" Fanless XGA Touch Panel PC
- Intel® Atom™ N270 1.6G Processor



Features

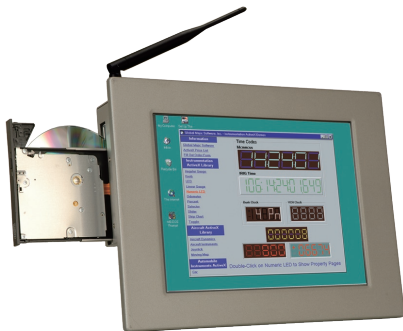
1. 7"~12.1" fanless system with resistive touch screen
2. System memory up to 2 GB SDRAM
3. Built-in 802.11b/g Wireless LAN
4. Built-in Bluetooth module
5. Built-in two 1.5 W speakers
6. Built-in HSDPA module for mobile connection (Optional)
7. One compact flash slot
8. IP 64 compliant front panel

Specifications

Model	AFL-10A-ATOM	AFL-12A-ATOM
LCD Size	10.4"	12.1"
Max Resolution	800 * 600	1024 * 768
Brightness (cd/m2)	400	400
Contrast Ratio	500:1	500:1
LCD Color	262K	262K
Pixel Pitch (mm)	211.2(H) x 158.4(V)	0.240(H) x 0.240(V)
Viewing Angle (H-V)	120/100	160/160
Backlight MTBF	50000 hrs	50000 hrs
SBC Model	AFLMB-ATOM-R10	
CPU	N270 (Atom 1.6G)	
Chipset	Intel 945GSE / ICH7M	
RAM	Supports one 2GB (maximum) 400MHz or 533MHz DDR2 SO-DIMM	
I/O Ports and Switches	1 x RS-232 2 x USB 2.0 1 x RS-232/422/485	1 x Power Switch 1 x Reset Button 2 x LAN Ports 1 x Audio Jack
SSD	CF Type II	
Watchdog Timer	Software programmable supports 1~255 sec. System reset	
Audio	AMP 1.5W + AMP 1.5W	
Expansion	1 x Mini PCIe (Wireless 802.11 b/g LAN Module), 1 x Bluetooth Module (USB Interface, Bluetooth V2.0)	
HDD Drive Bay	N/A	1 x 2.5" SATA HDD or HSDPA module
Optional HSDPA Module	Yes	
Construction Material	ABS + PC Plastic front frame	
LED Function	1 x Power ON/OFF LED on front panel	
Mounting	Panel, Wall, Rack, Stand or Arm VESA 75mm x 75mm / 100mm x 100mm	
Front Panel Color	Gray 7539U	Gray 7539U
Dimensions (WxHxD) (mm)	276 x 227 x 50.7	304 x 246 x 49.5
Operation Temperature (°C)	-10°C~50°C with CF Card	-10°C~50°C with CF Card 0°C~40°C with HDD
Storage Temperature (°C)	-20°C~60°C	-20°C~60°C
Net Weight	1.4 Kg	1.8 Kg
IP Level (front panel)	IP64	IP64
Safety & EMC	CE/FCC/CB/CCC	
Touch Screen	Resistive Type 5-Wire (touch controller IC is on board)	
Power Adapter	P/N:63000-FSP0361AD101C-RS Power:36W Input: 90VAC~264VAC @ 50/60Hz Output: 12VDC	P/N:63000-FSP0481AD101C-RS Power:48W Input: 90VAC~264VAC @ 50/60Hz Output: 12VDC
Power Requirement	12VDC	12VDC
Power Consumption	28W	32W

PPC-3708A/3710A/3712A

8.4"~12.1" Fanless Panel PC with Intel® Atom™ Processor



Fanless

Features

1. 8.4"~12.1" TFT LCD with resistive touch screen
2. Intel® Atom™ Processor N270 CPU 1.6GHz for Ultra Low Voltage Fan-less support
3. System memory up to 2 GB DDR2 RAM
4. Dual 10/100 Mbps Ethernet
5. One Compact Flash® Type II socket
6. Optional 802.11 b/g wireless LAN module

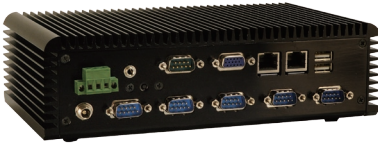
Specifications

Model	PPC-3708A/NANO-ATOM	PPC-3710A/NANO-ATOM	PPC-3712A/NANO-ATOM
LCD	LCD Size : 8.4" Resolution : 800 x 600 (SVGA) Brightness : 400 cd/m ² Contrast Ratio : 500:1 Viewing Angle (H-V) : 120°/100° Backlight MTBF : 50,000hrs	LCD Size : 10.4" Resolution : 800 x 600 (SVGA) Brightness : 400 cd/m ² Contrast Ratio : 500:1 Viewing Angle (H-V) : 120°/100° Backlight MTBF : 50,000hrs	LCD Size : 12.1" Resolution : 1024 x 768 (XGA) Brightness : 450 cd/m ² Contrast Ratio : 700:1 Viewing Angle (H-V) : 160°/160° Backlight MTBF : 50,000hrs
CPU	Intel® Atom™ Processor N270 1.6GHz with a 533MHz FSB		
Chipset	Intel® 945GSE/ICH7M		
Memory	One 200-pin 533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)		
VGA	Intel® 945GSE supports dual display		
SSD	CF Type II		
Drive Bay	1 x 2.5" SATA HDD Bay with Anti-Shock	1 x 2.5" SATA HDD Bay with Anti-Shock	1 x 2.5" SATA HDD Bay with Anti-Shock 1 x Slim Type CD-ROM Bay
Ethernet	Dual PCIe Realtek 8111CP GbE chipsets		
Audio	5.1 channel audio kit with Realtek ALC655 AC'97 codec		
I/O	2 x RS-232 1 x RS-232/422/485 2 x USB 2.0 1 x VGA	1 x PS/2 for KB/MS 2 x Giga LAN Port 3 x Audio (Line-in, Line-out, MIC-in) 1 x Power Jack (Lockable)	
Expansion Slot	1 x PCIe mini card for 802.11 b/g wireless LAN module (optional)		
Touch Screen	4-wire resistive type with RS-232 interface	5-wire resistive type with RS-232 interface	5-wire resistive type with RS-232 interface
Operating Temperature	- 10°C~50°C with CF Card 0°C~50°C with HDD		
Storage Temperature	- 20°C~60°C		
Vibration	5~17Hz 0.1" double amplitude displacement 17~640 Hz 1.5G acceleration peak to peak		
Shock	10G acceleration peak to peak. (11ms)		
Relative Humidity	5% ~ 95% @ 60°C, non-condensing		
Net/ Gross Weight	2.2 kg / 4.4 kg	3.4 kg / 5.8 kg	6 kg / 8 kg
Dimensions (W x H x D)	244 mm x 178 mm x 80 mm	311.5 mm x 242 mm x 77.8 mm	340 mm x 276.7 mm x 73.4 mm
Power Input	AC Adapter - P/N: 63000-FSP0841ADC11118-RS - AC Input : 90~240VAC@ 50/60Hz - DC Output : 84W, 12VDC		
Front Panel Protection	IP 65 Compliant		
Certificate	Meets CE, FCC, CB, CCC		

ECW-281B-ATOM

Intel® Atom™ Fanless Solution with Hard Drive Support

Fanless



Features

1. Intel® Atom™ N270 1.6GHz fanless system
2. Four USB 2.0, six COM ports for peripheral devices
3. Dual GbE LAN Ideal for high speed network application
4. Storage support for both CompactFlash and SATA hard drive
5. 12 VDC, 9 VDC ~ 36 VDC input models available

Specifications

Model	ECW-281B-ATOM
SBC	WAFER-ATOM
Processor	Intel® Atom™ N270 1.6GHz with 533 FSB
Chipset	Intel® 945GSE + Intel® 82801GBM/ICH7M
System Memory	200-pin 1GB DDR2 SDRAM SO-DIMM
Ethernet	Dual Realtek RTL8111CP GbE controllers
Display	CRT interface integrated in 945GSE with one VGA port
USB	4 x USB 2.0
Serial Port	5 x RS-232, 1x RS-232/422/485 selectable
Audio	1 x speaker out
Storage	1 x 2.5" SATA HDD, 1 x CompactFlash slot
Power Input	12VDC in with DC jack and 3-pin terminal block WD series input voltage: 9 VDC ~ 36 VDC
Power Consumption	19 W
Chassis Construction	Aluminum Alloy
Operating Temperature	-10°C~50°C
Operating shock	Half-sine wave shock 3G; 11ms; 3 shocks per axis
Operating Vibration	MIL-STD-810F 514.5C-1 (HDD) MIL-STD-810F 514.5C-2 (CompactFlash)
Weight (Net/Gross)	2.1 kg / 3.9 kg
Dimensions (DxWxH)	132 mm x 229 mm x 64 mm
Mounting	DIN mount, VESA 100 wall mount
EMC/Safety	CE, FCC class A

IBX-530-ATOM

Fanless Intel® Atom™ Embedded System

Fanless



Features

1. Intel® Atom™ N270 1.6GHz solution
2. Intel® Graphics Media Accelerator 950 for better graphic performance
3. Supports Hyper-Threading Technology
4. Fan-less operation under -10°C to 50°C

Model	IBX-530-ATOM
Processor	Intel® Atom™ Processor N270 1.6GHz with a 533Mhz FSB
Chipset	Intel® 945GSE / Intel® 82801GBM/ICH7M
System Memory	1 x 200 pin DDR2 SO-DIMM slot, built in 1GB
Ethernet	Dual GbE, Realtek RTL8111CP
Display	VGA, integrated in 945GSE
I/O Interface	4 x USB 2.0 2 x RS-232 1 x external SATA
Wireless	Built-in 802.11b/g wireless
Audio	1 x speaker out
Storage	1 x CompactFlash slot
Power Input	12VDC in by power adaptor
Chassis Construction	Aluminum Alloy
Operating Temperature	-10°C ~ 50°C
Weight (Net/Gross)	645g / 1.8Kg
Dimensions (DxWxH)	210mm x 108.2mm x 39mm
Mounting	Wall mount, VESA mount
EMC/Safety	CE, FCC class A
Embedded OS	XPE & CE 5.0

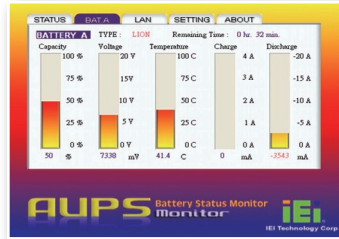
IBX-600-ATOM

Mini ITX Intel® Atom™ Solution with UPS Battery Support



Features

1. Intel® Atom™ N270 1.6GHz Mini ITX solution
2. Supports Slim ODD, 2.5" hard drive and CompactFlash
3. UPS function by Li-ion battery with easy assembly design
4. Built-in 802.11b/g wireless with FIPA antenna
5. 9 VDC ~ 28 VDC wide range input



IEI Smart Battery Monitoring Software. Can support remote monitoring from RS-232.

Specifications

Model	IBX-600-ATOM	IBX-600-ATOMUPS
SBC	eKINO-ATOM	
Processor	Intel® Atom™ N270 1.6GHz with 533 FSB	
Chipset	Intel® 945GSE + Intel® 82801GBM/ICH7M	
System Memory	200-pin 1GB DDR2 SDRAM SO-DIMM	
Ethernet	Dual Realtek RTL8111CP GbE controllers	
Wireless	built in 802.11b/g wireless, PCIe mini card formfactor with USB interface	
Display	CRT interface intergrated in 945GSE with one VGA port DVI -D support by Chronitel Silicon Image Sil1362	
USB	6 x USB 2.0	
Serial Port	2x RS-232	
Audio	1 x mic in , 1 x speaker out	
Storage	1 x slim type ODD, 1 x 2.5" SATA HDD, 1 x CompactFlash slot	
Power Input	9 VDC ~ 36 VDC in with 4 pin DC power DIN connector Ship with 60W power adaptor	
UPS Function	N/A	7.4V 2S2P 3800mAh Li-Ion smart battery
Chassis Construction	Heavy duty metal with plastic front panel	
Operating Temperature	0°C~45°C	
Operating shock	Half-sine wave shock 3G; 11ms; 3 shocks per axis	
Operating Vibration	MIL-STD-810F 514.5C-1 (HDD) MIL-STD-810F 514.5C-2 (CompactFlash)	
Weight (Net/Gross)	2.1 kg / 3.9 kg	2.8kg / 4.6kg
Dimensions (DxWxH)	306.8mm x 209.8mm x 65mm	
Mounting	Desktop, wall mount	
EMC/Safety	CE, FCC class A	

iei®

IEI Technology Corp.

Single Board
Computer



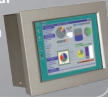
Embedded System



Industrial Chassis



Industrial
LCD
Solution



Industrial
Motherboard



Digital Signage



Medical
Solution



Service
Automation
Solution



POS
Solution



HMI



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