

ECN-171A

Intel® 945GME Embedded System with PCI-104 & PCIe mini expansions



Features

- ◆ Intel® 945GME chipset supports socket M CPU upto 34 W TDP
- ◆ 7.1 channel HD audio with HDTV output or dual VGA
- ◆ One 2.5" hard drive bay and one CompactFlash™ slot
- ◆ One PCIe mini card slot and one PCI-104 slot for expansion
- ◆ 12 VDC, 9 V~36 VDC input models available
- ◆ IEI One Key Recovery solution allows you to create rapid OS backup and recovery

ECN-171B

Intel® Pentium® M/Celeron™ M Fanless Embedded System with 2.5" HDD



Features

- ◆ Supports Pentium® M / Celeron® M up to 1.8 GHz
- ◆ One 2.5" IDE hard drive slot and one CompactFlash slot
- ◆ EPM series PCI-104 interface expansion modules compatible
- ◆ 12 VDC, 9 V~36 VDC input models available
- ◆ IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

Model No.	ECN-171ASF0
System Fan	2 x 5 cm
SBC	NANO-9452-R11
CPU	Intel® Celeron® M 1.86 GHz 1MB L2 cache, processor 440 / Intel® Core™ Duo 1.66 GHz 2MB L2 cache, processor T5500
Chipset	945GME+ICH7M
System Memory	One 200-pin 400/533/667MHz DDR2 SDRAM SO-DIMM supported (system max.1GB, built-in 1GB)
Expansion Slot	1 x PCI-104, 1 x PCIe mini card
Display	CRT/SDVO interface integrated in 945GME, with two VGA port
Ethernet	Dual PCIe GbE, Broadcom BCM5787 with ASF 2.0 remote control support
Audio	7.1 channel HD audio
USB	2 x USB2.0
Serial Port	3 x RS-232
LED	power, HDD
Switch	power, reset
Storage	1 x CompactFlash™ slot, 1 x 2.5" SATA HDD
Chassis Construction	Heavy duty metal
Power in	12 VDC in with DC jack and 3-pin terminal block. WD series input voltage: 9 V~36 VDC
Operating Temperature	With CompactFlash™: 0°C ~ 50°C, with hard drive: 0°C ~ 45°C
Operating Shock	MIL-STD-810F 514.5C-1
Operating Vibration	IEC68-2-27
Weight	1.9 kg / 3.0 kg
Dimensions (WxHxD)	250 mm x 62 mm x 165 mm
Mounting	Wall mount / DIN mount (with optional DIN mount kit)

Ordering Information

Part No.	Description
ECN-171ASF0/CM440/1GB	Embedded system with NANO-9452, Intel® Celeron® M 1.86GHz 1MB L2 cache CPU, built-in 1GB DDR2 memory, HDTV out, 7.1ch HD audio, 2 x 5 cm fans, 12 VDC, 60 W power adaptor, silver, RoHS
ECN-171ASF0/T5500/1GB	Embedded system with NANO-9452, Intel® Core™ Duo 1.66GHz 2MB L2 cache, T5500, built-in 1GB DDR2 memory, HDTV out, 7.1ch HD audio, 2 x 5 cm fans, 12VDC, 60W power adaptor, silver, RoHS
ECN-171ASF0-WD/CM440/1GB	Embedded system with NANO-9452, Intel® Celeron® M 1.86GHz 1MB L2 cache CPU, built-in 1GB DDR2 memory, HDTV out, 7.1ch HD audio, 2 x 5 cm fans, 9-36 VDC, silver, RoHS
ECN-171ASF0-WD/T5500/1GB	Embedded system with NANO-9452, Intel® Core™ 1.66GHz 2MB L2 cache, T5500, built-in 1GB DDR2 memory, HDTV out, 7.1ch HD audio, 2 x 5 cm fans, 9-36 VDC, silver, RoHS

Specifications

Model No.	ECN-171BSE0
SBC	NANO-8522G
Processor	Celeron® M 1.5 GHz, 1MB L2 cache, processor 370 / Pentium® M 1.6 GHz, 1MB L2 cache
Chipset	Intel® 852GM + ICH4
System memory	One 200-pin 266 MHz DDR SDRAM SO-DIMM supported (system max.1GB, built-in 512MB)
Ethernet	1 x 10/100/1000BASE-T, Intel® 82541PI
Display	CRT interface intergrated in 852GM with one VGA port
USB	4 x USB 2.0
Serial port	3 x RS-232 (COM1, COM3, COM4) 1 x RS-232/422/485 selectable (COM2)
Audio	Line-in, MIC-in, Line-out
Video capturing	N/A
Storage	1 x 2.5" IDE hard drive 1 x CompactFlash™ socket CompactFlash™ Type I/II cards
Power input	12 VDC* with DC jack and 3-pin terminal block. WD series input voltage: 9 V~36 VDC
Chassis construction	Heavy duty metal with Aluminum Alloy Fin
Operating temperature	0°C ~ 50°C with industrial grade CompactFlash™ 0°C ~ 40°C with hard drive
Operating shock	MIL-STD-810F 514.5C-1
Operating vibration	3G acceleration peak to peak (11 ms)
Weight (Net/ Gross)	2 kg / 3.2 kg
Dimensions (DxWxH)	250 mm x 62 mm x 160 mm
Mounting	Wall mount / DIN mount (with optional DIN mount kit)

Ordering Information

Part No.	Description
ECN-171BSE0-R13/CM15G/512MB	Fanless embedded system with NANO-8522-R13, Intel® Celeron® M 1.5 GHz CPU, built-in 512MB DDR memory, 12 VDC in, 45 W adaptor, silver, RoHS
ECN-171BSE0-R13/PM16G/512MB	Fanless embedded system with NANO-8522-R13, Intel® Pentium® M 1.6 GHz CPU, built-in 512MB DDR memory, 12VDC in, 45 W adaptor, silver, RoHS
ECN-171BSEA-R13/CM15G/512MB	Fanless embedded system with NANO-8522-R13, Intel® Celeron® M 1.5GHz CPU, built-in 512MB DDR memory, Tri Intel® GbE, eSATA, 12VDC in, 45 W adaptor, silver, RoHS
DC 9 V~36 V input	
ECN-171BSE0-WD-R13/CM15G/512MB	Fanless embedded system with NANO-8522-R13, Celeron® M 1.5 GHz CPU, built-in 512MB DDR memory, 9-36 VDC, silver, RoHS
ECN-171BSE0-WD-R13/PM16G/512MB	Fanless embedded system with NANO-8522-R13, Pentium® M 1.6 GHz CPU, built-in 512MB DDR memory, 9-36 VDC, silver, RoHS
ECN-171BSEA-WD-R13/CM15G/512MB	Fanless embedded system with NANO-8522-R13, Celeron® M 1.5 GHz CPU, built-in 512MB DDR memory, Tri Intel® GbE, eSATA, 9-36 VDC, silver, RoHS

*9~36VDC input models do not include AC-DC power adaptor in package.

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