

ECN-360A-^{HM65}_{D2550}

Fanless Embedded System with Intel® Solution

Features

- ◆ On-board CPU
 - » ECN-360A-HM65: Intel® Celeron® 847E dual core 1.1 GHz
 - » ECN-360A-D2550: Intel® Atom™ D2550 dual core 1.86 GHz
- ◆ Rich video output solution
 - » ECN-360A-HM65: 2 x HDMI + 1 x VGA
 - » ECN-360A-D2550: 2 x VGA
- ◆ Ruggedized embedded computer
 - » Support -10°C~60°C (w/ SSD, air flow)



Specifications

Model Name		ECN-360A-HM65	ECN-360A-D2550
Chassis	Color	Black	Black
	Dimensions (WxDxH) (mm)	255 x 130 x 63	255 x 130 x 63
	System Fan	Fanless	Fanless
	Chassis Construction	SECC	SECC
Motherboard	Motherboard Model	NANO-HM651-847E	NANO-CV-D25502
	Processor CPU	Intel® Celeron® 847E 1.1 GHz	Intel® Atom™ D2550 1.86 GHz
	Chipset	Intel® HM65	Intel® NM10
	System Memory	2 x 204-pin DDR3 SDRAM SO-DIMM (system max: 8 GB) Pre-installed DDR3 4 GB memory	1 x 204-pin DDR3 SDRAM SO-DIMM (system max: 4 GB) Pre-installed DDR3 2 GB memory
Storage	Hard Drive	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay
I/O Interfaces	USB 3.0	2	0
	USB 2.0	2	6
	Ethernet	2 x Realtek RTL8111E PCIe GbE controller	2 x Realtek RTL8111E PCIe GbE controller
	RS-232	2 x DB-9	3 x DB-9
	RS-422/485	1 x DB-9	1 x DB-9
	Display	1 x VGA, 2 x HDMI	2 x VGA
	Resolution	VGA: Up to 2048 x 1536@75Hz HDMI: Up to 1920 x 1200@60Hz	VGA: Up to 1920 x 1200@60Hz
	Audio	1 x Line-out	1 x Line-out
	Other	8-bit digital I/O (4-bit input, 4-bit output)	N/A
	Wireless	1 x 802.11b/g/n (optional)	1 x 802.11b/g/n (optional)
	Expansions	1 x Full size (reserved for Wi-Fi)	1 x Full size (support mSATA) 1 x Half size
Power	Power Input	9 V~36 V DC Power 1: DC Jack Power 2: Terminal block	9 V~36 V DC Power 1: DC Jack Power 2: Terminal block
	Power Consumption	12 V@3.01 A (Intel® Celeron® single core 827E 1.4 GHz with 4 GB DDR3 memory)	12 V@1.59 A (Intel® Atom™ D2550 with 2GB DDR3 memory)
Reliability	Mounting	Wall mount, VESA 100	Wall mount, VESA 100
	Operating Temperature	-10°C~60°C with air flow (SSD), 5% ~ 95%, non-condensing	-10°C~60°C with air flow (SSD), 5% ~ 95%, non-condensing
	Operating Shock	Half-sine wave shock 3G, 11ms, 3 shocks per axis	Half-sine wave shock 3G, 11ms, 3 shocks per axis
	Operating Vibration	MIL-STD-810F 514.5C-2 (SSD)	MIL-STD-810F 514.5C-2 (SSD)
	Weight (Net/Gross)	2.2 kg/3 kg	2.2 kg/3 kg

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Industrial Computing Solutions

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Video Capture Solutions

3
Embedded Computing Solutions

4
ORing Network Communication

5
Power Supply/Peripherals

6
Panel Solutions Introduction



Friendly to Use



Easy for installation

- Hinge Design for rear Cover
- Easy assembly of storage/memory/PCIe Mini card

Wide range of DC power input

- ECN-360A-HM65: 9~36V DC
- ECN-360A-D2550: 9~28V DC

Fully Integrated I/O

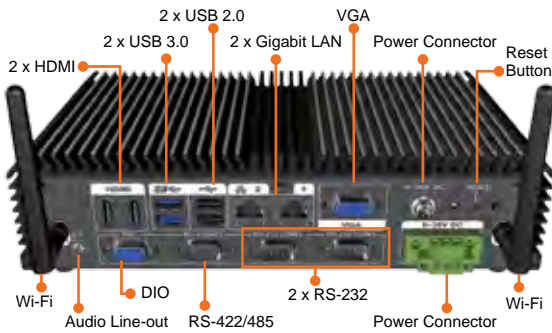
●ECN-360A-HM65 Front I/O



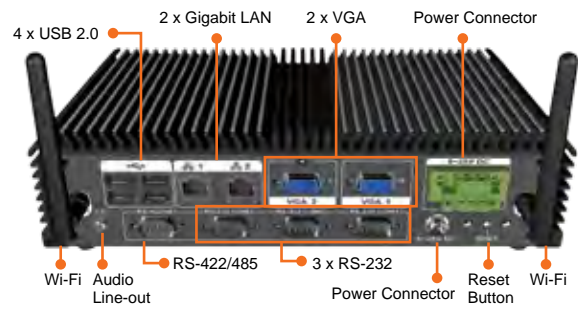
●ECN-360A-D2550 Front I/O



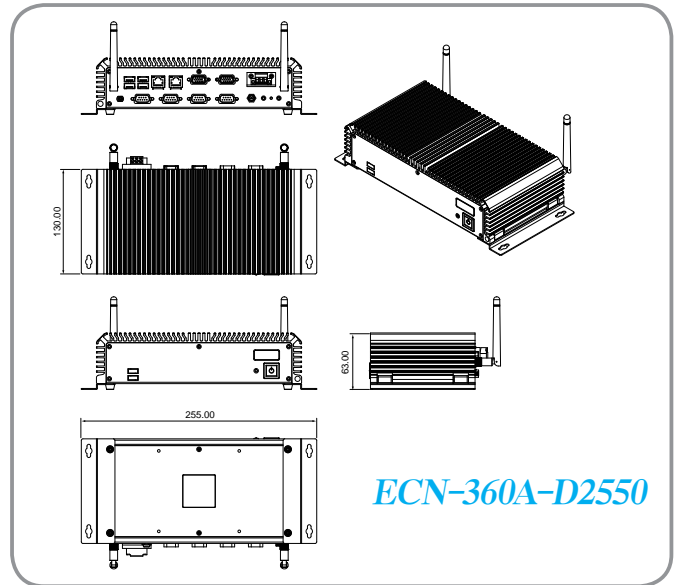
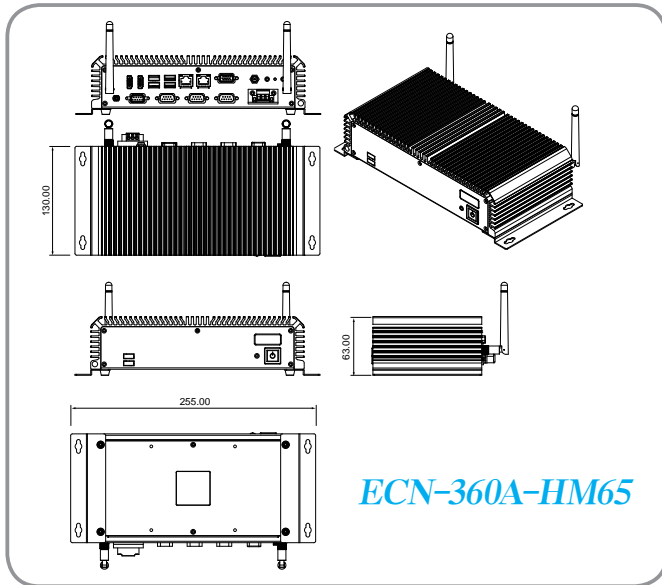
●ECN-360A-HM65 Rear I/O



●ECN-360A-D2550 Rear I/O



Dimensions (Unit: mm)



Ordering information

Part No.	Description
ECN-360A-HM65/4G-R10	Embedded system with NANO-HM651-847E, Intel® Celeron® 847E dual core 1.1 GHz, with 2 x HDMI, 1 x VGA, 2 x RS-232, 1 x RS-422/485, 4GB DDR3 SO-DIMM pre-installed, dual Realtek LAN, DIO, 9 V~36 V DC, R10, RoHS
ECN-360AW-HM65/4G-R10	Embedded system with NANO-HM651-847E, Intel® Celeron® 847E dual core 1.1 GHz, with 2 x HDMI, 1 x VGA, 2 x RS-232, 1 x RS-422/485, 4GB DDR3 SO-DIMM pre-installed, dual Realtek LAN, DIO, TELEC Certified 802.11b/g/n wireless, 9 V~36 V DC, R10, RoHS
ECN-360A-D2550/2G-R10	Embedded system with NANO-CV-D25502, Intel® Atom™ D2550 dual core 1.86 GHz, with 2 x VGA, 3 x RS-232, 1 x RS-422/485, 2GB DDR3 SO-DIMM pre-installed, dual Realtek LAN, 9 V~28 V DC, R10, RoHS
ECN-360AW-D2550/2G-R10	Embedded system with NANO-CV-D25502, Intel® Atom™ D2550 dual core 1.86 GHz, with 2 x VGA, 3 x RS-232, 1 x RS-422/485, 2GB DDR3 SO-DIMM pre-installed, dual Realtek LAN, TELEC Certified 802.11b/g/n wireless, 9 V~28 V DC, R10, RoHS

Packing list

1 x QIG	1 x One Key Recovery CD
2 x wall mount bracket	1 x driver CD
1 x power adapter (with PSE/ErP Certified)	1 x power cord
1 x screw set	1 x wireless antenna (for wireless model)