

ECN-581A for HM55/D525

Embedded Compact Chassis
for NANO Series

Features

ECN-581A-R10-HM551

- ◆ Socket G1 for Intel® 32nm mobile Core processor
- ◆ VGA + HDMI Dual display
- ◆ One 204-pin DDR3 SO-DIMM SDRAM supported up to 4GB

ECN-581A-R10-D5251

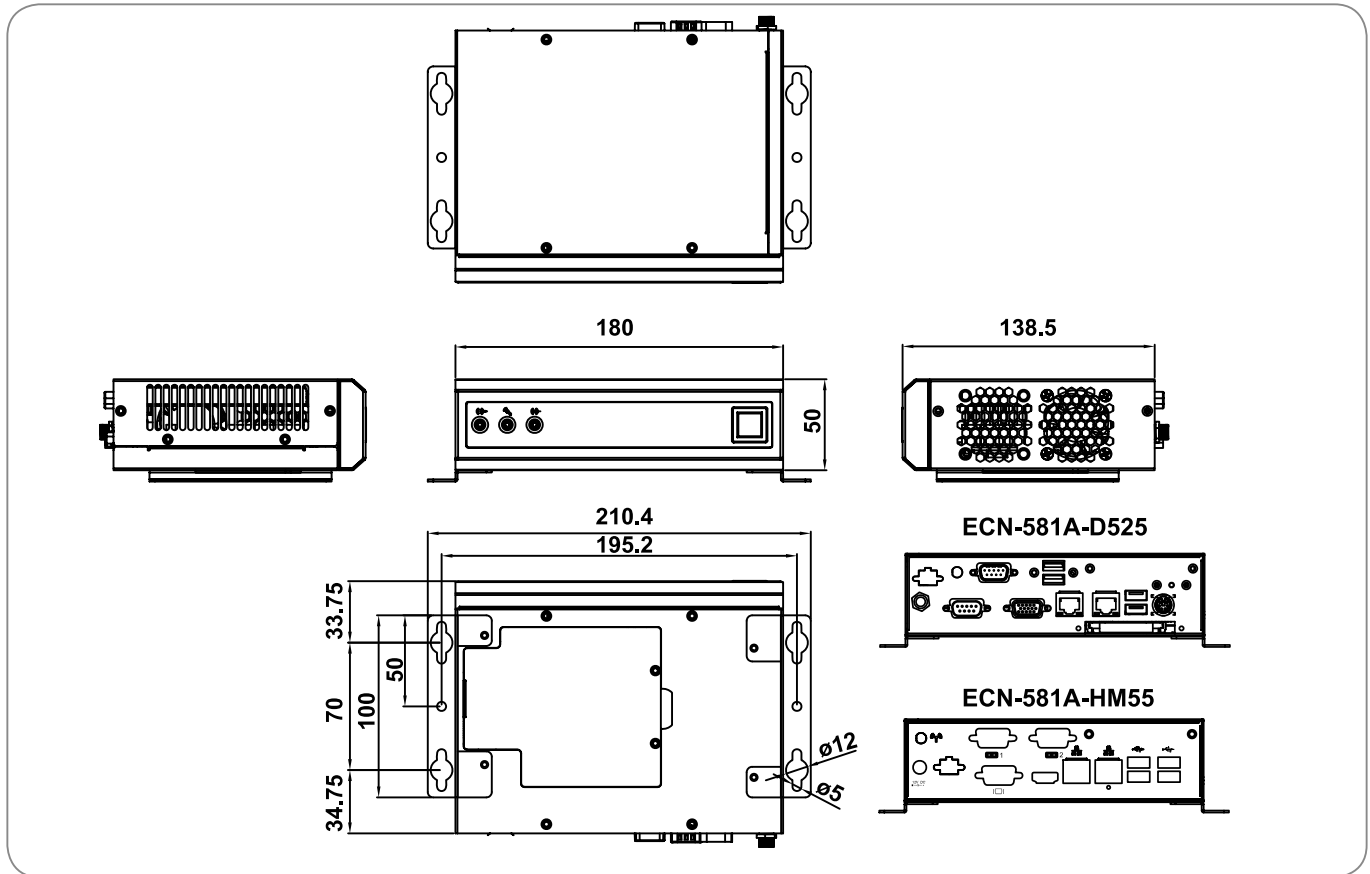
- ◆ Intel® Atom™ Processor D525 1.8GHz/1 MB L2 Cache
- ◆ One 204-pin DDR3 SO-DIMM SDRAM, system support up to 2GB



Specifications

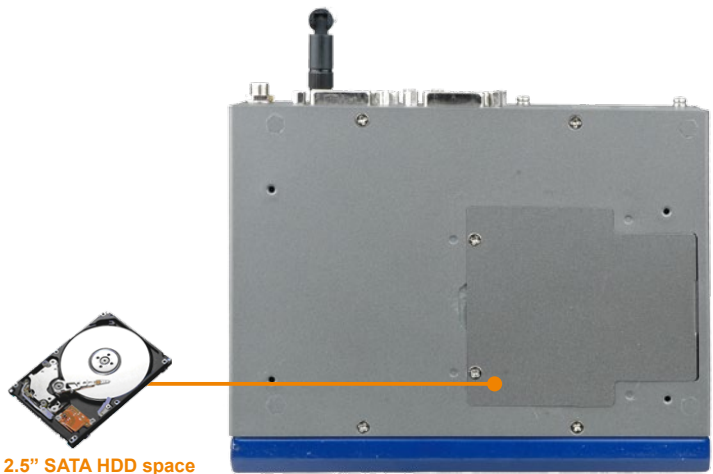
Model Name		ECN-581A-R10-D5251 	ECN-581A-R10-HM551
Chassis	Color	Cool Gray+Blue	Cool Gray+Blue
	Dimensions	180 x 138 x 50mm	180 x 138 x 50mm
	System Fan	N/A	2 x 4cm
	Chassis Construction	Heavy duty metal	Heavy duty metal
Motherboard	Motherboard Model	NANO-PV-D5251/D4521/N4551	NANO-HM551
	M/B Size	EPIC (165 x 115mm)	EPIC (165 x 115mm)
	Processor CPU	Intel® Atom™ D525	Intel® Core™ i5/i3/Celeron® M Mobile Processor
	Chipset	ICH8M	HM55
	System Memory	1 x 204-pin DDR3 SODIMM support up to 2GB	1 x 204-pin DDR3 SODIMM support up to 4GB
Storage	Hard Drive	1 x 2.5" SATA HDD space	1 x 2.5" SATA HDD space
	Compact Flash	1	N/A
System Function	PS2 (KB/MS)	1/1	N/A
	USB 2.0	4	4
	Ethernet	2 x Realtek 8111E PCIe GbE	2 x Realtek 8111E PCIe GbE
	Serial Port	1 x RS-232 1 x RS-232/422/485 (Default RS-232)	1 x RS-232 1 x RS-232/422/485 (Default RS-232)
	Display	1 x VGA	1 x VGA+ 1 x HDMI
	Resolution	2048 x 1536 @ 60 Hz	2048 x 1536 @ 60 Hz (VGA) 1080 p (HDMI)
	Audio	1 x Mic-in, 1 x Line-out, 1 x Line-in	1 x Mic-in, 1 x Line-out, 1 x Line-in
	PCIe Mini Card	1 x PCIe Mini card slot (PCIe + SATA+USB) Reserve for Wi-Fi or IEI Mini DOM	1 x PCIe Mini card slot (PCIe + SATA+USB) Reserve for Wi-Fi or IEI Mini DOM
Power	Power Input	12 VDC in	12 VDC in
Reliability	Mounting	Desktop, wall mont	Desktop, wall mont
	Operating Temperature	-20°C~50°C (SATA SSD/CF) with Air flow* -10°C~50°C (Wi-Fi model with SATA SSD/CF) with Air Flow* *Ambient air speed pre IEC-68-2-2 standard	-20°C~50°C (SATA SSD) with Air flow* -10°C~50°C (Wi-Fi model with SATA SSD) with Air Flow* *Ambient air speed pre IEC-68-2-2 standard
	Operating Shock	Half-sine wave 3G; 11ms 3 shocks per axis	Half-sine wave 3G; 11ms 3 shocks per axis
	Operating Vibration	Meet MIL-STD-810F 514.5C-1 with SATA HDD MIL-STD-810F 514.5C-2 with SATA SSD/CF	Meet MIL-STD-810F 514.5C-1 with SATA HDD MIL-STD-810F 514.5C-2 with SATA SSD
	Weight (Net/Gross)	1.1kg/2kg	1.1kg/2kg

Dimensions (Unit: mm)



Packing List

1 x QIG
1 x Screw set
2 x Wall mount bracket
1 x Driver CD
1 x 12V DC 60W power adapter (with ErP and PSE certificates)
1 x Power cord
1 x 2dbi Wireless antenna (for wireless model only)
1 x One Key Recovery CD



Ordering Information

Part No.	Description
NANO-PV-D5251-R10	EPIC with Intel® Atom™ D525 1.8GHz, DDR3, VGA/LVDS, Dual GbE, USB 2.0, CF II, audio and SATA II, RoHS
NANO-PV-D4251-R10	EPIC with Intel® Atom™ D425 1.8GHz, DDR3, VGA/LVDS, Dual GbE, USB 2.0, CF II, audio and SATA II, RoHS
NANO-PV-N4551-R10	EPIC with Intel® Atom™ N455 1.66GHz, DDR3, VGA/LVDS, Dual GbE, USB 2.0, CF II, audio and SATA II, RoHS
ECN-581A-R10-D5251	Embedded chassis for NANO-PV-D5251, Support Intel® Atom™ D525 Processor, DDR3 SO-Dimm memory, 12VDC, 60W power adapter with ERP and PSE certificates, Reflex Blue C + 8403C, RoHS, w/o MB
ECN-581AW-R10-D5251	Embedded chassis for NANO-PV-D5251, Support Intel® Atom™ D525 Processor, DDR3 SO-Dimm memory, 802.11b/g/n wireless, 12VDC, 60W power adapter with ERP and PSE certificates, Reflex Blue C + 8403C, RoHS, w/o MB
NANO-HM551-R10	EPIC SBC supports Socket G1 for Intel® Core™ i7 CPU, VGA/HDMI, Dual PCIe GbE, USB 2.0, Mini PCIe, SATA II and Audio, RoHS
ECN-581A-R10-HM551	Embedded chassis for NANO-HM551, Support Intel® Core i5/i3/Celeron® Processor, DDR3 SO-Dimm memory, 12VDC, 60W power adapter with ERP and PSE certificates, Reflex Blue C + 8403C, RoHS, w/o MB
ECN-581AW-R10-HM551	Embedded chassis for NANO-HM551, Support Intel® Core i5/i3/Celeron® Processor, DDR3 SO-Dimm memory, 802.11b/g/n wireless, 12VDC, 60W power adapter with ERP and PSE certificates, Reflex Blue C + 8403C, RoHS, w/o MB
CF-989A-RS-R11	CPU cooler for mobile socket-G (PGA988) up to 55W processor, copper, 60 x 60 x 27.6 mm, RoHS

Note: Above Part No. is for chassis only without MB.