

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

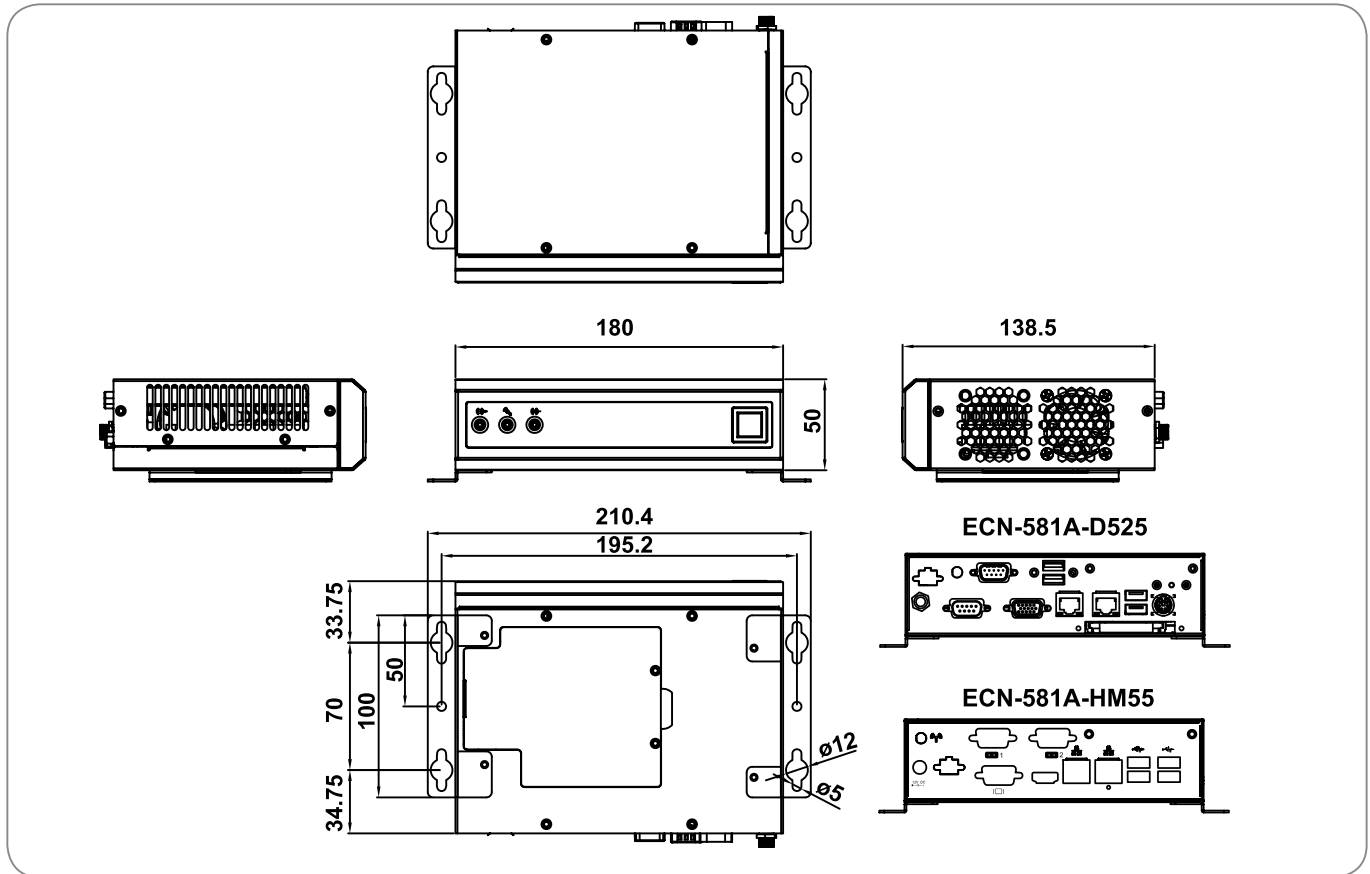
- ◆ Intel® Atom™ Processor D525 1.8GHz/1 MB L2 Cache
- ◆ One 204-pin DDR3 SO-DIMM SDRAM , system support up to 2GB



Specifications

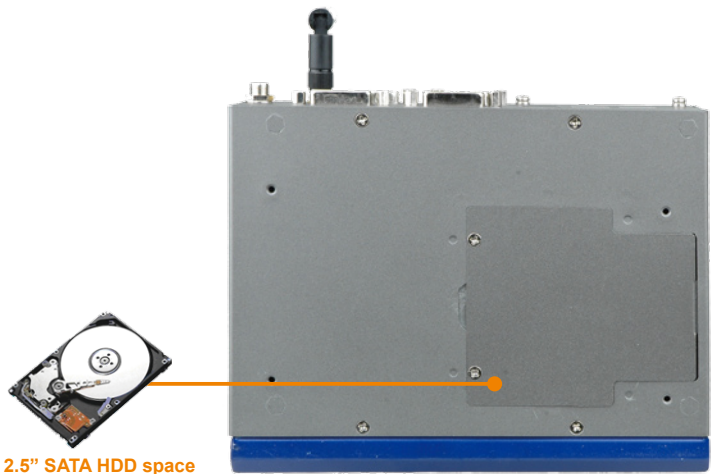
Model Name		ECN-581A-R10-D5251 	ECN-581A-R10-HM551
Chassis	Color	Cool Gray+Blue	Cool Gray+Blue
	Dimensions	180 x 138 x 50mm	180 x 138 x 50mm
	System FAN	N/A	2 x 4cm
	Chassis Construction	Heavy duty metal	Heavy duty metal
Motherboard	Motherboard Model	NANO-PV-D5251/D4521/N4551	NANO-HM551
	M/B Size	EPIC (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
	Resoluiton	2048 x 1536 @ 60 Hz	2048 x1536 @ 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 wifi or IEI Mini DOM	1 x PCIe Mini Card slot (PCIe + SATA+USB) Reserve for wifi or IEI Mini DOM
Power	Power Input	12 VDC in	12 VDC in
Reliability	Mounting	Desk top, wall mount, VESA mount	Desk top, wall mount, VESA mount
	Operating Temperature	-20°C~50°C (SATA SSD/CF) with Air flow* -10°C~50°C (wifi 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 (wifi model with SATA SSD) with Air Flow* *Ambient air speed pre IEC-68-2-2 standard
	Operating Shock	Half sine wave 3G; 11ms 3axis	Half sine wave 3G; 11ms 3axis
	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 adaptor (with ErP and PSE certificates)
1 x Power cord
1 x 2dbi wireless antenna (for wireless model only)



1 x 2.5" SATA HDD space

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 adaptor 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 adaptor 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 adaptor 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 adaptor 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, 60x60x27.6mm, RoHS

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