



Features

- Intel® ATOM D2550 Processor
- 2x RJ-45 Gigabit LAN, Wake-on-LAN, PXE ready
- 5x RS232 (COM1/3/4/5/6), 1x RS485/422/232 (COM2) 5V/12V Support
- 1x LPT, GPIO (4x In, 4x Out)
- PCI x2, Mini PCI-E x1 expansion, 1x SIM socket
- Support AT/ATX mode boot up
- Wall / Rack mounting bracket supports

System Specifications

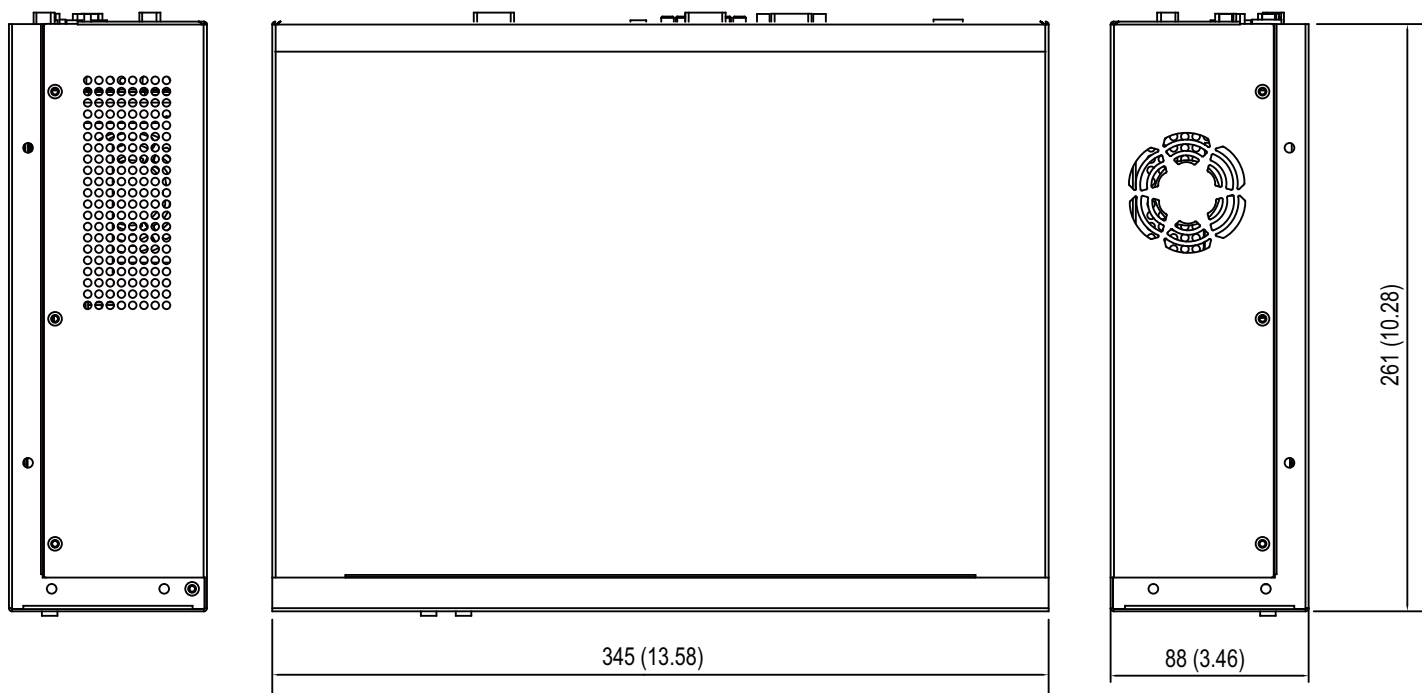
Processor	Intel Atom™ processor D2550, 1.86 GHz 2x 512K L2, 10W TDP, dual-core heatsink (with cooling fan)
Chipset	Intel® NM10 Express Chipset
Memory	2 x DDR3 800/1066 SO-DIMM up to 8 GB dual channel
Storage	1x 2.5" SATA HDD bay
Video	Intel GMA3650 graphic core (share memory up to 512MB), H.264/AVC, MPEG-2 video decoder, VC-1, DirectX 9, 1080p decoder. 1 x VGA, 1 x DVI, 1 x LVDS, 24bits dual channel with 3.3V/5V/12V Support
Audio	Realtek ALC888 HD 6-channel CODEC, Line out / line in / microphone ports
Interface ports	Rear side - 1x DC in ; 6x Serial : 5x RS232(COM1/3/4/5/6), 1x RS485/422/232(COM2) 5V/12V Support 2x RJ45, 4x USB 2.0 ; 1x VGA, 1x DVI, Line out / line in / microphone ports Front side - 2x USB 2.0, 2x Audio (Line out / microphone)
Expansion Slots	2x PCI slot, 1x mini PCIe slot, 1x SIM socket
Internal I/O Ports	1x PS2 KB/Mouse, 1x SMBus, 1x SPDIF/out, 4x RS232 (COM3/4/5/6), 1x LPT 1x GPIO (Programmable 8-bit Digital I/O (4 In+4 Out))
USB Port	Max 10x, Rear IO port x4, Front IO port x2, Internal : 4x USB 2.0 jumper pin
Communications	2x Intel 82574L controller 10/100/1000 BASE-T Ethernet, Wake-on-LAN ready
Watch Dog	Can be set by 255min/s, 1, 2, 4 seconds period RESET or NMI was, when CPU did not periodically trigger the timer
Operation Humidity	10% ~ 90% relative humidity, non-condensing
Temperature	Operating: 0°C ~ +60°C, Storage: -20°C ~ +80°C
Dimensions	345mm (L) x 261mm (W) x 88mm (H)
Power Adapter	Input : AC / 100~240V (50/60Hz) 1.8A Output : DC/12V, 5A 60W, 4 pin
AT/ATX Mode	Support AT/ATX mode boot up

Order Information

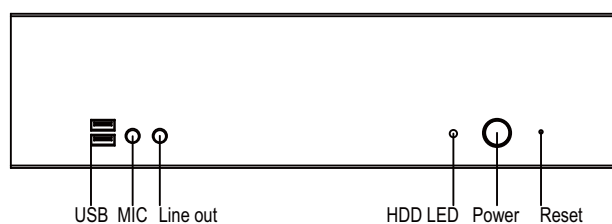
RB-102-D5	RB-102-D5 Bare-bone System with motherboard, CPU cooler, power adapter, cables (BB-121A00)
WLAN card	Mini PCI-E 802.11 b/g/n wireless lan card with 5dBi external antenna (MB-W52BX0)
Wall mount bracket	Wall mount bracket for RB-102/RB-271 (NBS-BOXWB0)
Rack mount bracket	Rack mount bracket for RB-102/RB-271(NBS-BOXRB0)
OS	Windows 7 Pro Embedded
CPU	ATOM D2550 1.86GHz 10W dual core (ODM : N2600 1.6GHz 3.5W / N2800 1.86GHz 6.5W)
Memory & Storage	So-DIMM RAM : 1G/2G, HDD : 2.5" 500GB/1TB, SSD : 32/64/128/256GB

Dimensions

Unit : mm (inch)



Front Panel External I/O Mechanical Layout RB-102



Rear Panel External I/O Mechanical Layout

