

## Giada NI-Z8300UL/VL

Intel® Cherrytrail-CR CPU Solution



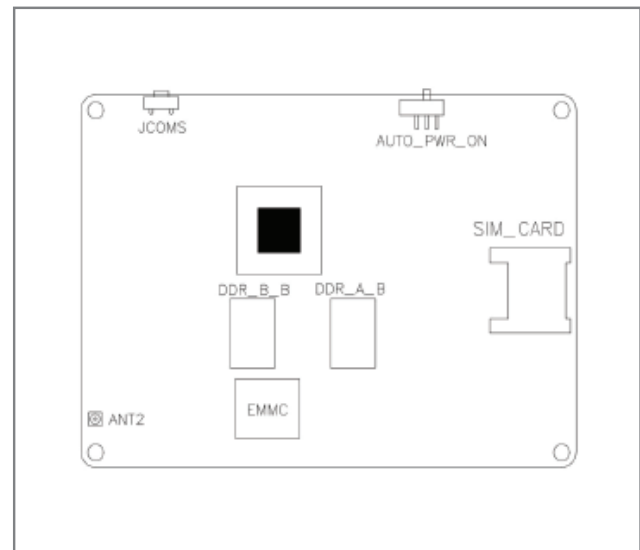
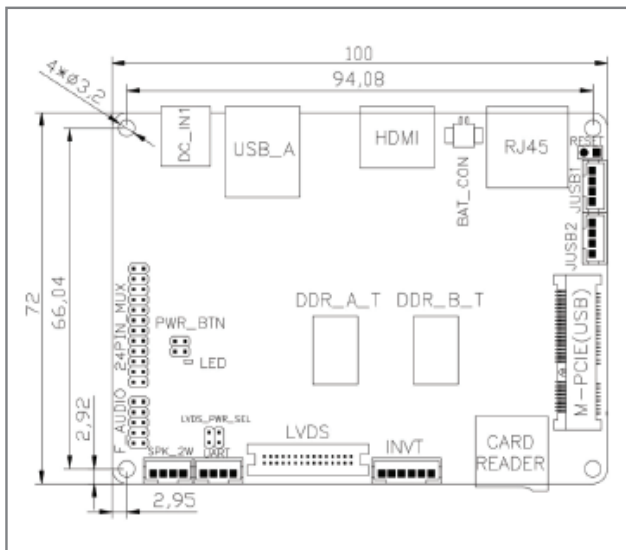
### Features

- Intel® Cherrytrail-CR
- Supports two independent displays
- Onboard memory (up to 2GB)
- Supports eMMC (up to 32GB)
- 1 x USB 3.0, 3 x USB2.0, 1 x TF card reader
- 1 x Gigabit LAN

### Specifications

		NI-Z8300UL	NI-Z8300VL
Processor System	CPU	Intel® Atom™ x5-Z8300 Processor	
	Frequency	1.44 GHz (up to 1.84 GHz)	
	Process Technology	14 nm	
	Cores / Threats	4 / 4	
	Scenario Design Power (SDP)	2 W	
	BIOS	AMI EFI 64 Mbit	
Expansion Slots	Mini-PCIe (USB Signal)	1 x full-length Mini-PCIe with 3G support, 1 x SIM slot	
Memory	Type	DDR3L-1333MHz	
	Capacity (Onboard)	2 GB	
	Socket	N/A	
Graphics	Controller	Integrated Intel® HD Graphics	
	Graphic Engine	DirectX11, OpenGL4.0 and OpenCL 1.2	
	HDMI	Max. 2560x1600 @ 60Hz	
	LVDS	Default 1920 x1080, 5V	
	Dual Display	Support HDMI + LVDS (clone mode, extended mode)	
Ethernet	Controller	Realtek 8111F, Gigabit Ethernet	
	Connector	RJ45	
	Wi-Fi/BT (Onboard)	Realtek 8723VAU, WIFI + BT	Realtek, Wi-Fi
Audio	Chipset	Realtek ALC5672, High Definition Audio (HD), Line-in, Audio-out	
Watchdog Timer	Watchdog Timer	Patented JAHC unattended Technology	
Storage	eMMC	32 GB	8 GB
	mSATA		
	TF Card	1 x TF Card Reader	
Rear I/O	DC-IN	1 x DC-IN (12V, 2.5mm)	
	HDMI	1 x HDMI1.4b	
	Ethernet	1 x RJ45	
	USB	1 x USB3.0, 1 x USB2.0	
	Clear CMOS	1 x 2Pin Jumper	
	Internal Connector	1 x 24bit Dual-channel LVDS header	
	USB (2.0 Pitch)	1 x 4Pin USB header	
	Serial (2.0 Pitch)	1 x 4Pin COM header	

		NI-Z8300UL	NI-Z8300VL
Internal Connector	Audio	1 x Audio header	
OS Support	Microsoft Windows	Windows® 8.1 64-bit, Windows® 10 64-bit	
	Android	Android 5.1 (Launch schedule end of Jan, 2016)	
Power	Power Type	DC-IN	
	Power Supply	12V 2A	
Environment	Operating Temperature	0~60 C at 0.7m/s air flow	
	Storage Temperature	-20~75 C	
	Relative Humidity	95%@ 40 C (non-condensing)	
Form Factor	Dimensions	100 x 72mm	
Cooler		Fanless	



### Order Information

Part Number	Intel CPU	RAM	eMMC	HDMI	GbE	USB 3.0	USB 2.0	Wi-Fi	Mini-PCle	Operating Temperature
NI-Z8300UL	Z8300	2 GB	32 GB			1	2	Wi-Fi+BT	1 Full size	0 ~ 60° C
NI-Z8300VL	Z8300	1 GB	8 GB	1	1	1	2	Wi-Fi	w/SIM	

### Packing List

Part Number	Description	Part Number	Description
-	1 x NI-Z8300UL/VL	-	1 x DVD
-	1 x User Manual		

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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