

Giada NI-Z8300UL/VL

Intel® Cherrytrail-CR CPU Solution



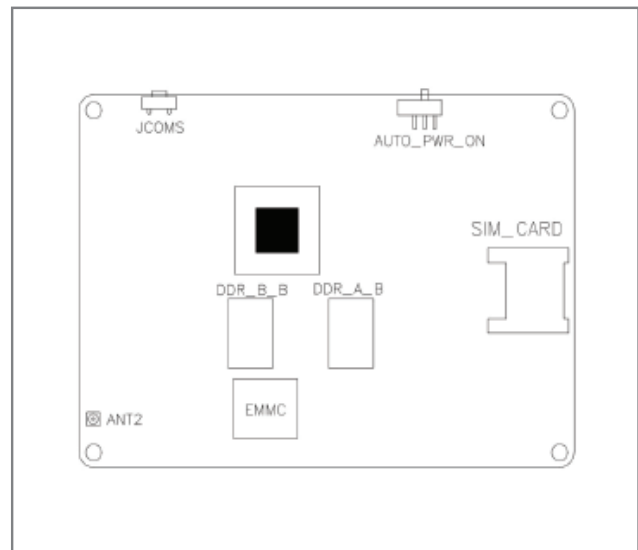
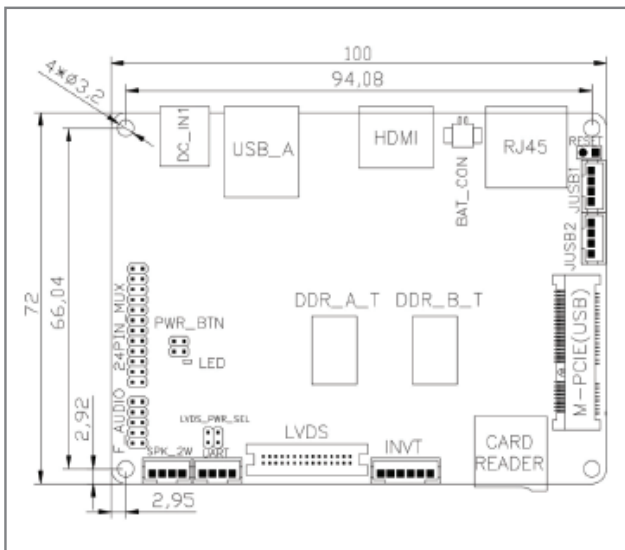
Features

- 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 | 1 | 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 | 0 ~ 60° C |

Packing List

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

The product appearance, specifications and features are subject to change. Giada reserves the right of final interpretation for the content hereinabove.

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.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660