

# Giada VM23

Fanless System with Intel® Celeron CPU  
for Cloud Terminal and Digital Signage



## Features

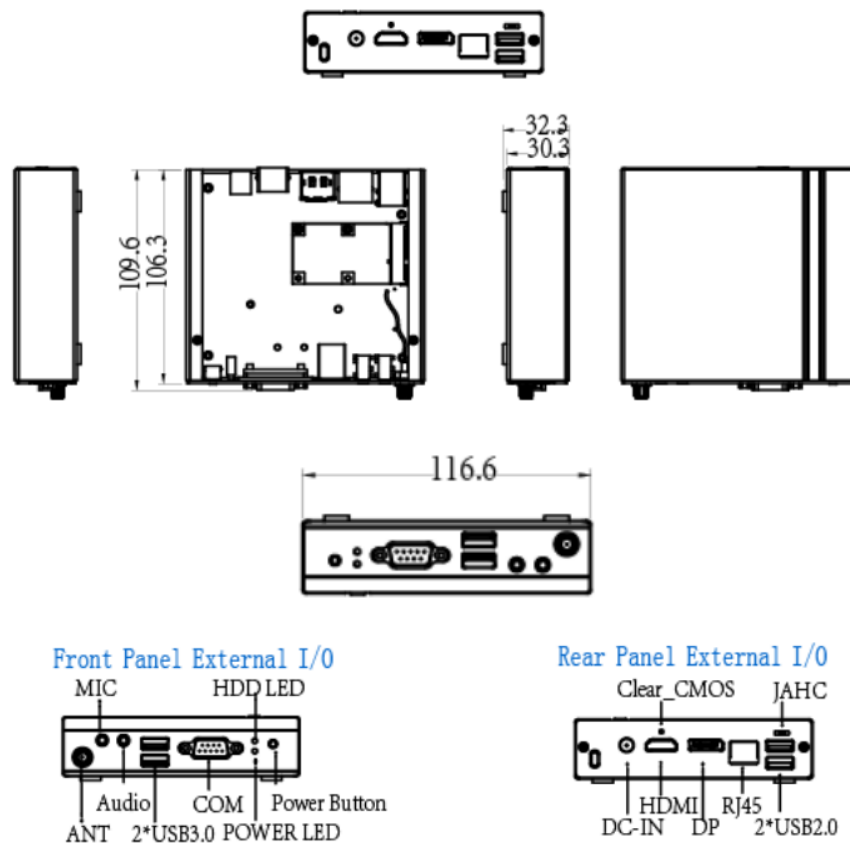
- Intel® Apollo Lake Processors(TDP≤6W)
- On-board DDR3L Memory (Up to 4GB)
- Two Independent Displays(DP+HDMI), DP Supports 4K Resolution Image
- Supports eMMC 5.0 Flash(Up to 128GB)
- 1 x mSATAIII with Full-length Mini-PCle Slot
- 2 x USB3.0, 2 x USB2.0, 1 x COM
- 1 x M.2 2230 For WiFi or BT

## Specifications

RoHS CE FCC

|                           |                      | Giada VM23-F1-N335031E5G-GIA                                                                                                              | Giada VM23-F1-N345032E5G-GIA    |
|---------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Processor                 | CPU                  | Intel® Celeron® Processor N3350                                                                                                           | Intel® Celeron® Processor N3450 |
|                           | Frequency            | 1.1GHz (Up to 2.4 GHz )                                                                                                                   | 1.1GHz (Up to 2.2 GHz )         |
|                           | Cores                | 2                                                                                                                                         | 4                               |
|                           | BIOS                 | AMI EFI 64Mbit                                                                                                                            |                                 |
|                           | L2 Cache             | 2M Cache                                                                                                                                  |                                 |
| Memory                    | Type                 | DDR3L-1333MHz Onboard                                                                                                                     |                                 |
|                           | Capacity             | 2G                                                                                                                                        | 4G                              |
| Graphics                  | GPU                  | Integrated Intel® HD Graphics                                                                                                             |                                 |
|                           | Graphic Engine       | Low power Gen9 Graphics with Up to 18EUs1;Latest APIs Including DX12, DX11.1 & OpenGL* 4.3<br>Multimedia Codes:H.264 ,VC-1, WMV9 HEVC VP9 |                                 |
|                           | DP1.2                | 1 x DP1.2 Max. 4096*2160@60fps                                                                                                            |                                 |
|                           | HDMI1.4b             | 1 x HDMI1.4b Max. 3840*2160@60fps                                                                                                         |                                 |
| Storage                   | mSATA                | 1 x mSATAIII with Full-length Mini-PCle Slot                                                                                              |                                 |
|                           | EMMC                 | 32G Onboard                                                                                                                               |                                 |
| Network                   | Controller           | Realtek 8111F, Gigabit Ethernet, Wake-on-LAN Support                                                                                      |                                 |
|                           | Interface            | 1 x RJ45                                                                                                                                  |                                 |
| I/O                       | USB                  | 2x USB 3.0, 2 x USB 2.0                                                                                                                   |                                 |
|                           | Display Interface    | 1 x DP1.2, 1 x HDMI1.4b                                                                                                                   |                                 |
|                           | LAN                  | 1 x RJ45                                                                                                                                  |                                 |
|                           | Audio                | Realtek ALC662-VD0 1 x MIC-IN,1 x AUDIO OUT                                                                                               |                                 |
|                           | Mini-PCle            | 1 x Full-length Mini-PCle for mSATA                                                                                                       |                                 |
|                           | M.2                  | 1 x M.2 2230 For WiFi or BT                                                                                                               |                                 |
|                           | Serial Port          | 1 x COM(RS232)                                                                                                                            |                                 |
| JAHC (JEHE Patented Tech) | WatchDog Timer       | Yes, 0~255 Second Time Out Support                                                                                                        |                                 |
|                           | Auto Power On        | Yes, Power Activated Automatically Start                                                                                                  |                                 |
|                           | RTC                  | Yes, Set Up Independently Every day, A Week as a Cycle                                                                                    |                                 |
|                           | Power Remote Control | Yes, By IR Controller                                                                                                                     |                                 |
|                           | Wake On Lan          | Yes                                                                                                                                       |                                 |
| Operation System          | Windows              | Windows 10 (64bit)                                                                                                                        |                                 |
|                           | Linux                | Supported                                                                                                                                 |                                 |
| Power                     | Power Type           | DC-IN                                                                                                                                     |                                 |
|                           | Power Adapter        | 12V 2A                                                                                                                                    |                                 |

|               |                        | Giada VM23-F1-N335031E5G-GIA                           | Giada VM23-F1-N345032E5G-GIA |
|---------------|------------------------|--------------------------------------------------------|------------------------------|
| Mechanical    | Dimensions (W x H x D) | 116mm x 107.2mm x 30 mm                                |                              |
|               | Fanless                | Yes                                                    |                              |
|               | Construction           | Metal                                                  |                              |
|               | Mounting               | Desk Mounting (Standard), VESA Mounting Kit (Optional) |                              |
| Environment   | Operating Temperature  | 0°C ~ 40°C at 0.7m/s Air Flow                          |                              |
|               | Storage Temperature    | -20°C ~ 60°C                                           |                              |
|               | Relative Humidity      | 95%@40°C (Non-condensing)                              |                              |
| Certification | EMC                    | CE/FCC Class B, CCC                                    |                              |
|               | Safety                 | CE/FCC LVD, CCC                                        |                              |



## Ordering Information

| Part Number  | Intel CPU | RAM | DP | HDMI | RJ45 | USB | Audio          | mSATA    | M.2                  | Operating Temperature |
|--------------|-----------|-----|----|------|------|-----|----------------|----------|----------------------|-----------------------|
| VM23-F1-3350 | N3350     | 2G  | 1  | 1    | 1    | 4   | 1*MIC<br>1*OUT | mSATAIII | M.2 2230 For WIFI/BT | 0-40°C                |
| VM23-F1-3450 | N3450     | 4G  |    |      |      |     |                |          |                      |                       |

## Packing List

| Part Number | Description        | Part Number | Description       |
|-------------|--------------------|-------------|-------------------|
| -           | 1 x VM23           | -           | 1 x DVD           |
| -           | 1 x User Manual    | -           | 1 x Power Adapter |
| -           | 1 x AC power cable | -           |                   |

versions: V1.0

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

## Assured Systems

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