

R08IAN3S-VMU1

8.4" Intel® Processor N100 G-WIN Vehicle Mount Panel PC



KEY FEATURES

- Intel® Processor N100 6M Cache, up to 3.40 GHz, Fanless Design
- High Quality 8.4" Panel, 800 x 600 resolution
- Front IP65 Dust / water resistant Protection (Except I/O parts)
- Aluminum Housing with Anti-Corrosion Treatments
- Anti-Shock and Vibration Standard according to MIL-STD-810H
- 5 Wire Resistive Touchscreen / Anti-Reflection Protection Glass (Optional)
- WLAN with Antenna (Optional)
- 10 ~ 60V DC Isolation Wide Range Power Input. Optional Ignition on/off control function

INTRODUCTION

Winmate G-WIN VM Panel PC Series is engineered for vehicle-mounted applications, offering sizes from 8.4" to 15" with durable features tailored for harsh environments. With robust aluminum housing and anti-corrosion treatment, these PCs provide front IP65 protection and comply with MIL-STD-810H for shock and vibration resistance. The wide voltage input range (10-60V DC) with optional ignition control ensures compatibility with various vehicle power systems. High-quality resistive touchscreens, optional sunlight-readable displays, and fanless design make them ideal for transportation, logistics, and field operations.

SPECIFICATIONS

System Specification

| | | | |
|------------------|--|----------------------------|--|
| WLAN | Support (Optional) | BT | Support (Optional) |
| Processor | Intel® Processor N100 6M Cache, up to 3.40 GHz | Memory | 1 x SO-DIMM, DDR5 4800 MHz, 8GB 16GB (Optional) |
| Storage | 1 x M.2 2280 M-Key NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional) 4TB (Optional) 1 x SATA III for 2.5" SSD/HDD up to 2TB(Only available when NVME SSD is not present) (Optional) | Ethernet controller | 2 x Intel® 2.5 Gigabit Ethernet Controller |
| Security | TPM 2.0 | Operating System | Windows 10 Pro 64 bit (Optional) Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Linux Ubuntu 24.04(Do not support Wake on Touch) (Optional) |

Display

| | | | |
|-----------------------|-------------|-------------------------|----------------|
| Resolution | 800x600 | Size | 8.4 inches |
| Contrast Ratio | 600:1 | Panel Brightness | 600.0 nits |
| View Angles | 75,75,60,70 | Active Area | 170.4x127.8 mm |

Touch / Glass Resistive Touch Screen (Optional)
 Protection Glass Without Touch Function (Optional)

Mechanical

| | | | |
|-----------------------|-------------------------------------|------------------|------------------|
| Dimension | 277 x 219.5 x 59.6 mm | Weight | 2.2 kg |
| Mounting | VESA mount Yoke mount (Optional) | Enclosure | Aluminum Housing |
| Cooling System | Fanless Design | | |

Environment

| | | | |
|----------------------------|---------------------------------------|------------------------------|--|
| Operating Humidity | 10% to 90% RH, Non-Condensing | Operating Temperature | -10°C to 55°C |
| Storage Temperature | -30°C to 70°C | Shock | MIL-STD-810G Method 516.6 Procedure I (Optional) |
| Vibration | MIL-STD-810G Method 514.6 Procedure I | IP rating | Front IP65 |

Certification

Certification CE, FCC

IO Ports

| | | | |
|--------------------|--|-----------------------|--|
| Power Input | 1 x 10~60V DC, 3-Pin Terminal Block | USB Port | 2 x USB3.2 Gen1x1 (Type-A) 1 x USB 3.2 Gen 2x1 Type C connector, support DP Alt. mode |
| Serial Port | 1 x RS232/422/485 (Default RS232) 1 x RS232 | Video | 1 x HDMI 2.0b (Optional) |
| Audio | 2 x Speaker | Expansion Port | 1 x M.2 2280 M-Key Slot (for NVMEI SSD) 1 x M.2 2230 E-Key Slot (for Wi-Fi module) |
| LAN | 2 x 2.5 Giga LAN RJ45 Connector | Indicator | 1 x LED Indicator for power 1 x LED Indicator for storage |

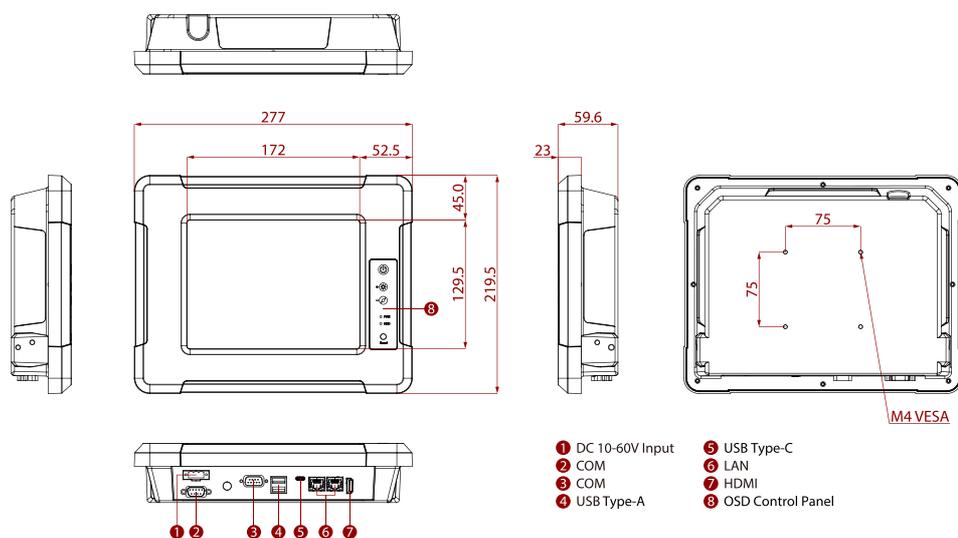
Control

Button 1 x Power Button
 1 x Reset Button
 1 x Brightness Up button
 1 x Brightness Down button

Accessory

| | | | |
|------------------|--|---------------------------|---|
| Accessory | Open Wire Cable with terminal block connector VESA screws | Optional Accessory | Yoke mount stand (Optional) 100~240V AC to DC 84W Adapter with power cord (Optional) |
|------------------|--|---------------------------|---|

DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.