

R15IAN3S-VMC3-P(HB)

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



CE
FCC

KEY FEATURES

- 15" Panel, 1024*768 resolution, 300 nits (Optional for 1000 nits)
- Intel® Processor N100 6M Cache, up to 3.40 GHz
- P-cap multi touch screen
- Optional True Flat 5 Wire Resistive Touch
- Optional Anti-Reflective Protection Glass
- Aluminum Die-Casting Housing with Anti-Corrosion Treatments
- Build in ambient Light sensor
- Front IP65 (Except I/O parts)
- -10 to 55°C wide operating temperature
- Wide Range 9 to 36V DC Input with isolation. Optional for Ignition On/Off delay
- Anti-Shock & Vibration compliant with MIL-STD-810F/G

INTRODUCTION

The R15IAN3S-VMC3-P(HB) is a high-performance 15-inch Vehicle Mount Panel PC designed to elevate productivity in warehouse logistics and industrial environments. Powered by the efficient Intel® Processor N100 (Alder Lake-N). Engineered for harsh conditions, the device features a rugged aluminum die-casting housing with anti-corrosion treatment and complies with MIL-STD-810F/G standards for shock and vibration resistance. With standard P-Cap multi-touch and optical bonding technology, the R15IAN3S-VMC3-P(HB) ensures superior screen clarity and durability, making it the ideal solution for forklift terminals and heavy-duty industrial applications.

SPECIFICATIONS

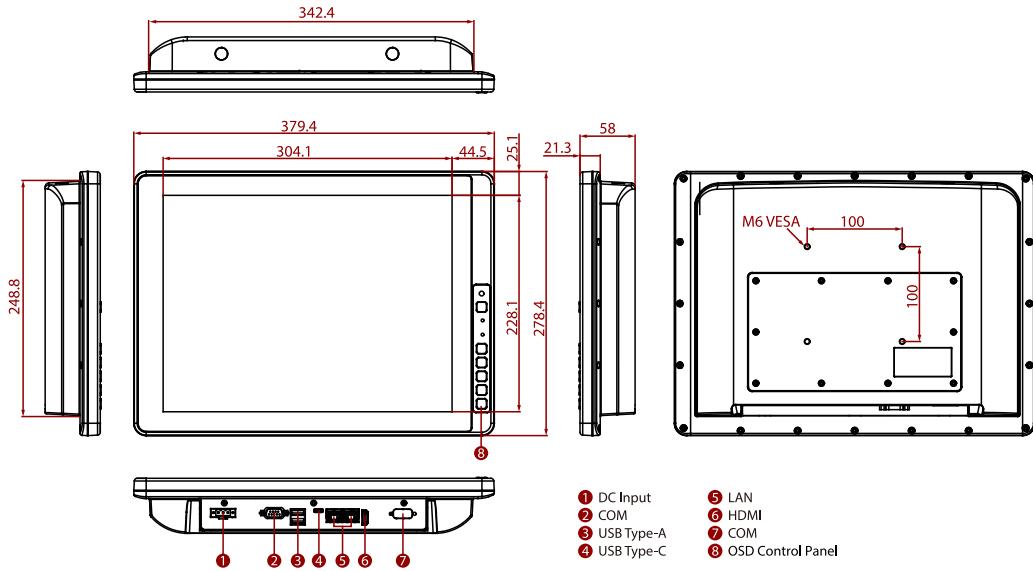
System Specification

| | | | |
|-----------|--|---------------------|---|
| 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) | Ethernet controller | 2 x Intel® 2.5 Gigabit Ethernet Controller |
| Security | TPM 2.0 | Operating System | 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 | 1024x768 | Size | 15.0 inches |
| Contrast Ratio | 2000:1 | Panel Brightness | 1000.0 nits |
| View Angles | 88,88,88,88 | Active Area | 304.1x228.1 mm |

| | | | |
|----------------------|--|-----------------------|--|
| Touch / Glass | Projected Capacitive Multi Touch Screen | | |
| Mechanical | | | |
| Dimension | 379.4 x 278.4 x 58 mm | Weight | 3.8 kg |
| Mounting | VESA mount | 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 9~36V 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) |
| Expansion Port | 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 Lock / Unlock front key function button 1 x Auto Dimming / Manually button 1 x Day / Night Mode button 1 x Brightness Up button 1 x Brightness Down button 1 x LED indicator brightness adjustment button 1 x Light sensor | | |
| 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.