

## 10.4" Windows Vehicle Mount Computer with Intel® Alder Lake-N97 Processor

### Overview

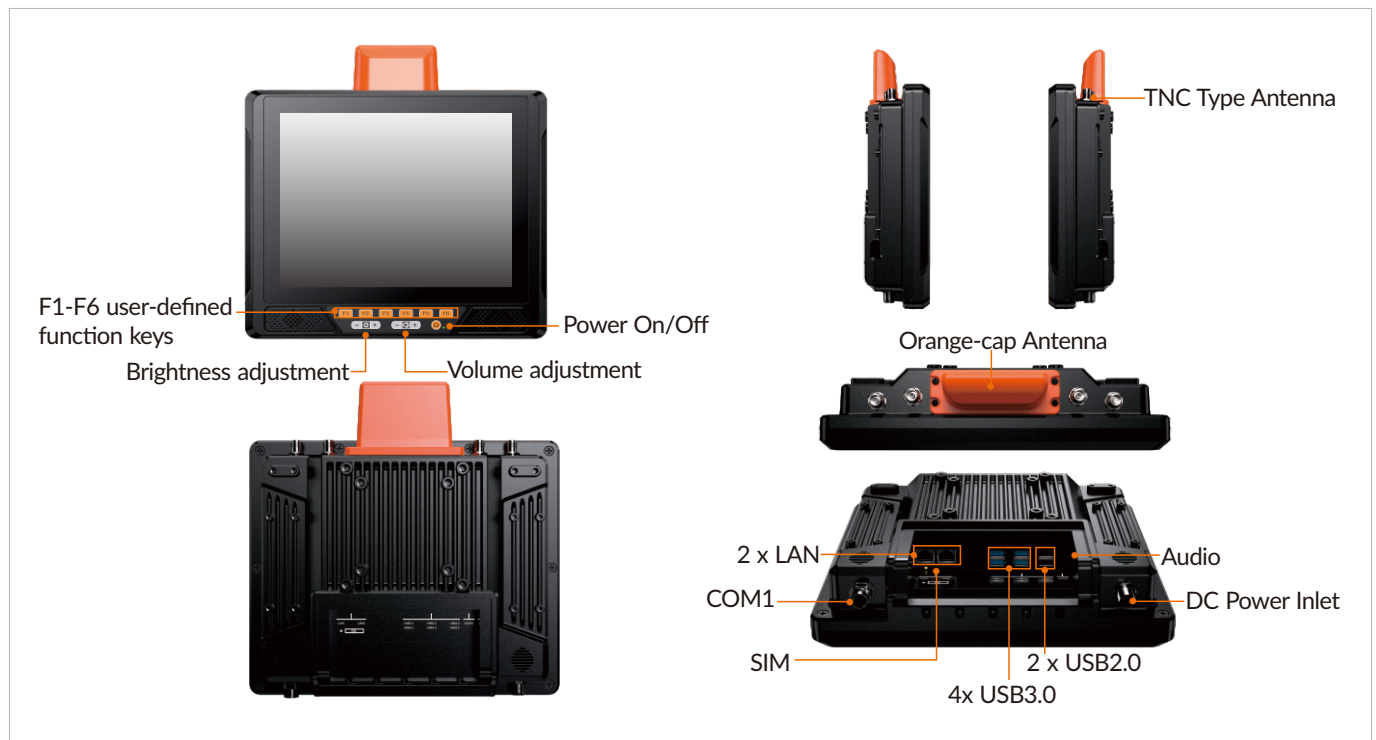
The VT-777 is a ruggedized vehicle-mounted computer with an Intel® Alder Lake-N97 processor and Windows 11 OS, offering full Windows computing power in a mobile environment. It features a 10.4-inch industrial touch screen, Wi-Fi 7, Bluetooth 5.4, 4G/5G, GNSS, and supports 8 to 36V DC input, making it suitable for warehousing, logistics, and container trucks. It meets MIL-STD-810H for anti-shock/vibration and IP66 for dust/water resistance, allowing reliable operation in demanding environments.

### Features

- 10.4" TFT-LCD with projected capacitive or resistive touchscreen
- Front panel integrated numeric and function keys
- Rugged aluminum enclosure and fanless design
- IP66 protection against water and dust
- Compliant with MIL-STD-810H vibration testing standards
- Wide range 8 to 36VDC power input with ignition control
- Flexible expansion capability for Wi-Fi 7, Bluetooth 5.4, LTE, 5G, GNSS, CAN2.0B



### I/O Interfaces

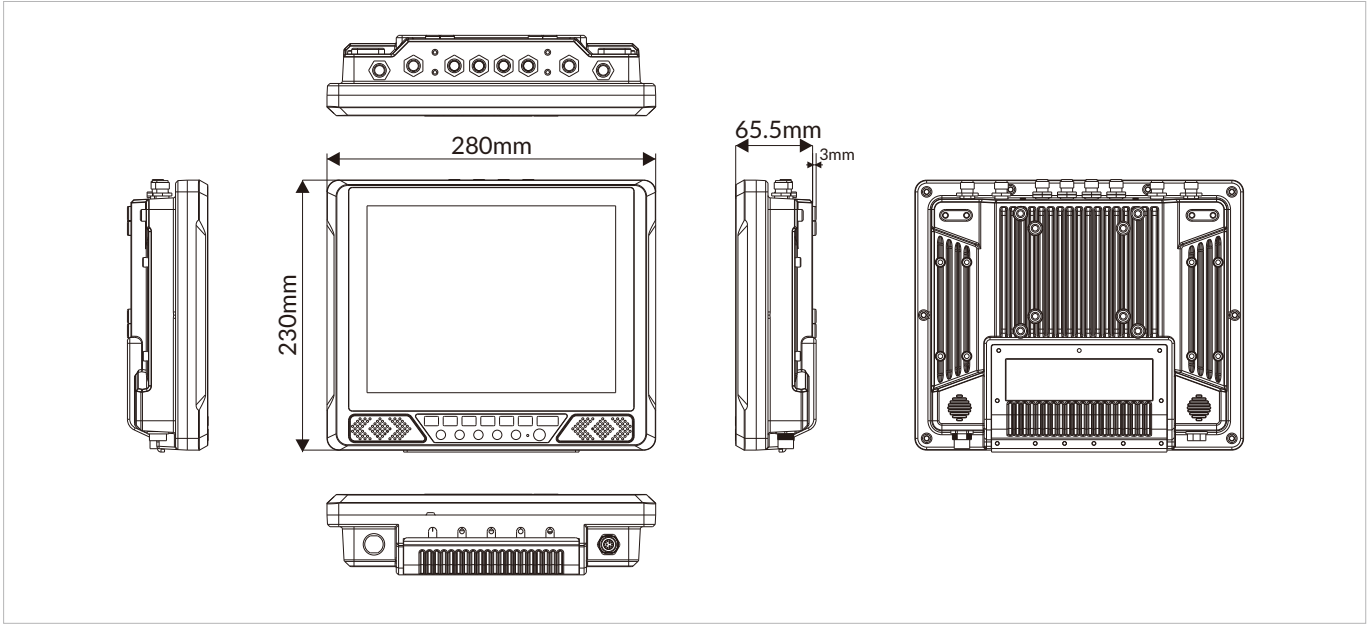


## Specifications

|                              |                                                                                                                |
|------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Display</b>               |                                                                                                                |
| Size                         | 10.4 inch (4:3)                                                                                                |
| Touch Type                   | Projected capacitive multi touch, 5-wire resistive touch (Optional, by request)"                               |
| Display Type                 | TFT LCD                                                                                                        |
| Resolution                   | 1024 x 768                                                                                                     |
| Luminance                    | 600 nits                                                                                                       |
| Contrast Ratio               | 1000: 1                                                                                                        |
| View Angles                  | 80 (left), 80 (right), 80 (up), 80 (down)                                                                      |
| Color                        | 16.7M                                                                                                          |
| <b>System</b>                |                                                                                                                |
| CPU                          | Intel® Alder Lake-N97, Intel 7, 4-core, up to 3.6GHz                                                           |
| Chipset                      | Intel® Alder Lake-N Platform                                                                                   |
| Memory                       | 4GB DDR4-2666 SO-DIMM (up to 16GB)                                                                             |
| Storage                      | 128GB M.2 SSD (up to 2TB)                                                                                      |
| Graphics                     | Intel® UHD Graphics                                                                                            |
| BIOS                         | AMI UEFI BIOS                                                                                                  |
| <b>Keypad &amp; Keyboard</b> |                                                                                                                |
| Keyboard                     | Power On/Off<br>Brightness and volume adjustment<br>F1-F6 user-defined function keys<br>Power LED indicator    |
| <b>I/O Ports</b>             |                                                                                                                |
| USB                          | 4x USB 3.0 (Type A)<br>2x USB 2.0 (Type A)                                                                     |
| Serial                       | 1x RS-232 (COM1, M12)                                                                                          |
| Ethernet                     | 2x GbE LAN (RJ45)                                                                                              |
| Audio                        | 3.5mm Audio Jack (Mic-in/Line-out)                                                                             |
| SIM Card Slot                | 1x SIM Socket                                                                                                  |
| Antenna                      | 2 to 8x TNC connector for external antenna (Wi-Fi, Bluetooth, WWAN, GPS)                                       |
| <b>RF Communication</b>      |                                                                                                                |
| Wi-Fi                        | Wi-Fi 6E: 802.11a/b/g/n/ac/ax, 2.4G/5G/6G (optional)<br>Wi-Fi 7: 802.11a/b/g/n/ac/ax/be, 2.4G/5G/6G (optional) |
| Cellular                     | 4G, LTE (optional)<br>5G, NSA/SA (optional)                                                                    |
| Bluetooth                    | Bluetooth 5.3 (depends on Wi-Fi 6E, optional)<br>Bluetooth 5.4 (depends on Wi-Fi 7, optional)                  |
| GNSS                         | GPS, GLONASS, Galileo, BeiDou (optional, Ublox NEO M8N)                                                        |
| <b>Audio</b>                 |                                                                                                                |
| Speaker                      | 8Ω/2W, dual studio speakers                                                                                    |
| <b>Power</b>                 |                                                                                                                |
| DC Input                     | 8 to 36VDC                                                                                                     |
| Power Consumption            | 18W (Typ.)                                                                                                     |
| Power Mode                   | ATX (default), AT                                                                                              |
| <b>Operating System</b>      |                                                                                                                |
| Windows                      | Windows 11 IoT Enterprise LTSC<br>Windows 10 IoT Enterprise LTSC<br>Windows 11 Pro<br>Windows 10 Pro           |

| Mechanical             |                                                  |
|------------------------|--------------------------------------------------|
| Dimensions (W x D x H) | 280 x 230 x 65.5 mm (11.02 x 9.06 x 2.58 inches) |
| Weight (N.W.)          | 3.0 kg (6.6 lbs)                                 |
| Mounting Mode          | VESA 75 and 100                                  |
| Material               | Die-casting Aluminum with Heavy Duty Metal       |
| Environment            |                                                  |
| Operating Temperature  | -30 to 60°C (-22 to 140°F)                       |
| Storage Temperature    | -40 to 70°C (-40 to 158°F)                       |
| Relative Humidity      | 95% @ 70°C (158°F), non-condensing               |
| Shock                  | MIL-STD-810H Method 514.8 Procedure I            |
| Vibration              | MIL-STD-810H Method 516.8 Procedure I            |
| IP Rating              | IP66 compliant                                   |
| Certification          |                                                  |
| EMC                    | CE, FCC                                          |

Dimensions



Optional Accessories

| Part No.       | Description                                      |
|----------------|--------------------------------------------------|
| PWR836D512-M12 | 8 to 36VDC Input, 5V/12VDC Output, M12 connector |

Ordering Information

| Part No.         | Description                                                                                                                                                                                                               |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VT-777-C401B-A01 | VT-777 with Intel® Alder Lake-N97, 10.4" projected capacitive touch LCD, 4GB RAM(HIK), 128GB M.2(HIK), Wi-Fi 6E(AX210), Bluetooth(AX210), 4G(EC20), GPS(UG-M80), TNC(1)-WiFi_M, TNC(2)-Bluetooth, TNC(3)-4G_M, TNC(8)-GPS |