

VC653-SU

ULT



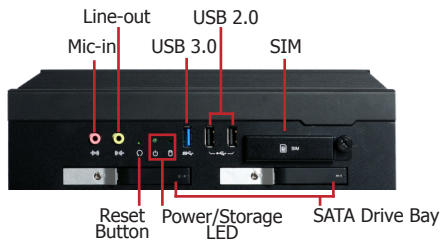
Fanless

Features

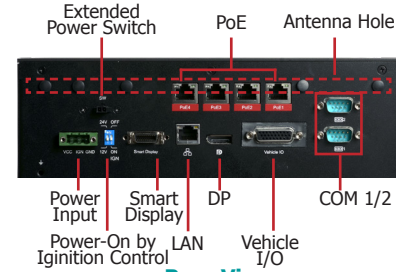
- ULT-based Fanless In-Vehicle System
- 2 x SATA 3.0 External Drive Bay
- Rich I/O ports: 1 Intel GbE, 4 COM, 1 USB 3.0, 3 USB 2.0
- Supports 3 Mini PCIe, 1 M.2, 2 SIM
- Extended operating temperature: -30 to 70°C



Panel

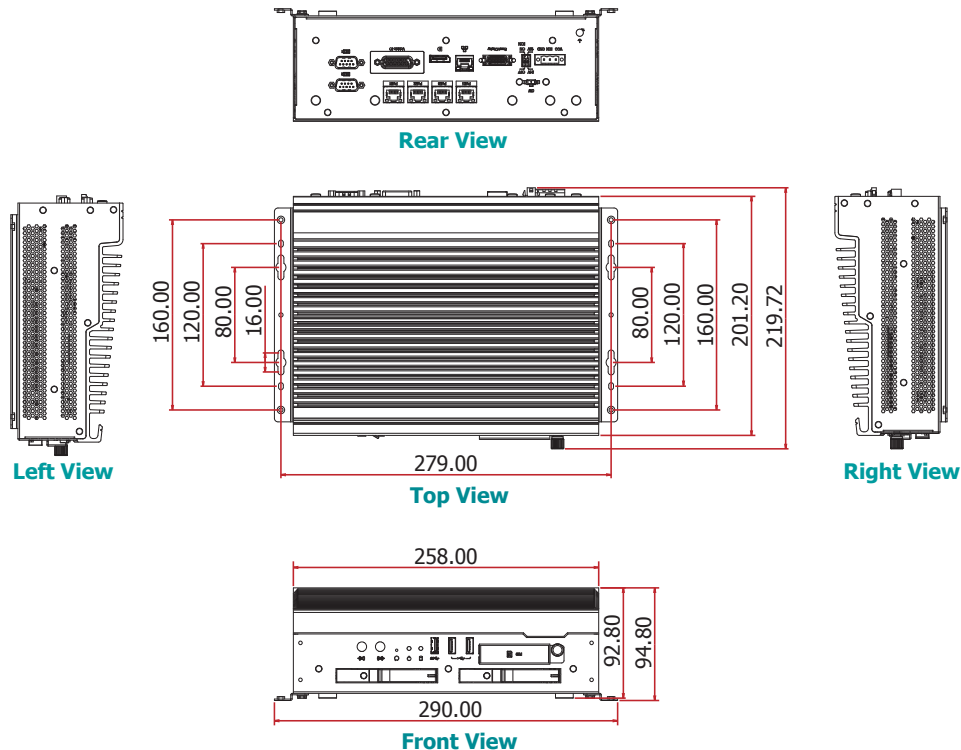


Front View



Rear View

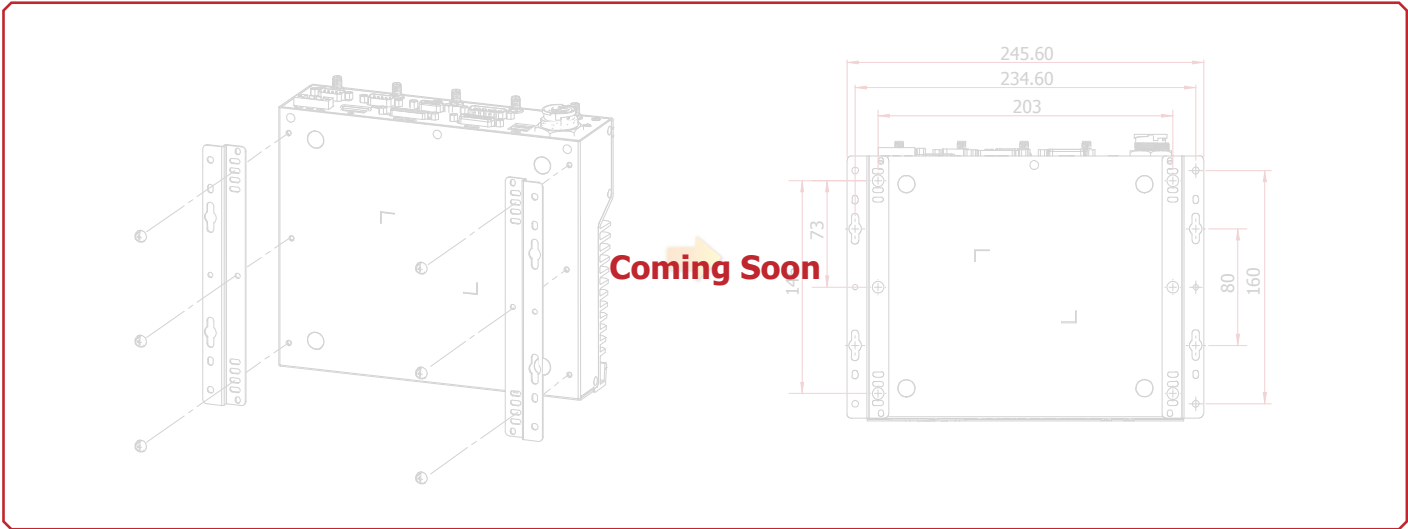
Dimensions



► Specifications

| | | |
|-------------------------------------|-------------------------------|---|
| SYSTEM | Processor | 6th Generation Intel® Core™ Processors, BGA 1356 Intel® Core™ i7-6600U Processor, Dual Core, 4M Cache, 2.6GHz (3.4GHz), 15W Intel® Core™ i5-6300U Processor, Dual Core, 3M Cache, 2.4GHz (3.0GHz), 15W Intel® Core™ i3-6100U Processor, Dual Core, 3M Cache, 2.3GHz, 15W |
| | Memory | Two 204-pin SODIMM up to 16GB Dual Channel DDR3L 1600MHz |
| | BIOS | Insyde SPI 128Mbit |
| GRAPHICS | Controller | Intel® HD Graphics |
| | Display | 1 x Smart Display 1 x DP++ VGA: resolution up to 1920x1200 @ 60Hz DP++: resolution up to 4096x2304 @ 60Hz |
| STORAGE | External/Internal | 2 x SATA 3.0 Drive Bays (RAID 0/1) |
| EXPANSION | Interface | 2 x Full-size Mini PCIe (PCIe/USB) 1 x Half-size Mini PCIe (PCIe/USB) 1 x M.2 (PCIe x4) 2 x SIM |
| AUDIO | Audio Codec | Realtek ALC888 5.1-channel |
| ETHERNET | Controller | 1 x Intel® I210AT PCIe (10/100/1000Mbps) |
| LED | Indicators | 1 x Power LED 2 x Storage LED |
| I/O | Ethernet | 1 x GbE (RJ-45) |
| | Serial | 2 x RS-232 (DB-9) |
| | USB | 1 x USB 3.0 (type A) 2 x USB 2.0 (type A) |
| | Vehicle I/O | 8-bit GPIO 2 x UART (RX/TX only) 2 x CANBus 1 x J1708 (Supports Isolation) |
| | PoE | 4 x POE (Optional) Support 802.11af up to 15.4W out per port |
| | Display | 1 x Smart Display incl. VGA, 12V out, Audio out and USB 1 x DP++ |
| | Audio | 1 x Mic-in, 1 x Line-out |
| | Buttons | 1 x Reset Button |
| | Antennas | 5 x Antenna Hole |
| | WATCHDOG TIMER | Output & Interval |
| POWER | Type | Isolated 9~36V DC-in with Ignition control |
| | Connector | 3-pin Terminal Block (VCC/ACC/GND) |
| OS SUPPORT | | Win7 (default), WES 7, Win10 IoT Enterprise Linux Ubuntu 16.04 |
| MECHANISM | Construction | Aluminum + Metal Aluminum |
| | Mounting | Wall Mount (available upon request) |
| | Dimensions (W x H x D) | TBD |
| | Weight | TBD |
| ENVIRONMENT | Operating Temperature | -30 to 70°C (SSD) -20 to 50°C (HDD) |
| | Storage Temperature | -40 to 85°C |
| STANDARDS AND CERTIFICATIONS | Shock | MIL-STD 810G 516.6, 11ms (Only SSD Support) |
| | Vibration | MIL-STD 810G 514.6C-3 |
| | Certifications | CE, FCC Class B, ECE R10, E-MARK (E13) |

▶ Wall Mounting



▶ Ordering Information

| Model Name | Part Number | Description |
|--------------------|-------------|---|
| VC653-SU | TBD | Fanless, Intel Skylake ULV Core i processors, GPS, CAN Bus, Isolated 9-36V SYSTEM ROHS |
| VC653-SU614 | TBD | Fanless, Intel Core-i3-6100U, 1 LAN, GPS, 2 CAN Bus, 4 UART, 4GB DDR3L, Isolated 9-36V SYSTEM ROHS |
| VC653-SU638 | TBD | Fanless, Intel Core-i5-6300U, 1 LAN, GPS, 2 CAN Bus, 4 POE, 4 UART, 8GB DDR3L, Isolated 9-36V SYSTEM ROHS |
| VC653-SU668 | TBD | Fanless, Intel Core-i7-6600U, 1 LAN, GPS, 2 CAN Bus, 4 POE, 4 UART, 8GB DDR3L, Isolated 9-36V SYSTEM ROHS |

▶ Packing List

| |
|--|
| • 1 VC653-SU system unit |
| • 6 mounting screws for Mini PCIe module |
| • 1 3-pole female terminal block |
| • 1 Quick Installation Guide |