

# VC-3000

Intel BayTrail J1900, Embedded Vehicle Computer



## Features

- Intel Celeron J1900 Quad-Core Processor (2.0GHz)
- Rugged aluminum enclosure and fanless design
- Meet MIL-STD 810G standard
- Wide range 8-36V DC Power input with ignition control
- Optional for WiFi, Bluetooth, LTE w/ Micro-SIM, GPS, CAN2.0B

## Specifications

### System

CPU	Intel Quad-Core Celeron J1900 (2.0GHz)
Memory	SO-DIMM DDR3L-1333/1600 (Up to 8GB)
Storage	1 x Full-size Mini-PCIe for mSATA SSD
Operating System	Windows 10 IoT Enterprise Windows 7 Professional Windows Embedded Standard 7

### I/O Connectors

Serial Port	1 x RS-232/422/485 (COM1) 1 x RS-232 (COM2)
USB Port	1 x USB2.0 1 x USB3.0
Ethernet	1 x GbE LAN
Display	VGA
Audio	Line-out
DIO	4 in & 2 out, with 3.3V power (optional)
CAN Bus	2 x CAN2.0B (Optional, compatible CAN2.0A, support J1939 protocol and in accordance with ISO 11898-1/2/3)
Others	1 x DC-IN connector (M12) 1 x Micro-SIM Card Slot 1 x Battery Switch

### RF Communication

WLAN	802.11a/b/g/n/ac/ax (Optional)
WWAN	4G LTE (Optional, LTE, HSPA+, EDGE, GSM/GPRS, 1.4G/1.8G private network)
Bluetooth	Bluetooth 4.0/5.0 (Optional)
GNSS	GPS/Beidou/Glonass (Optional)

### Power Management

Power Input	DC 8~36V
Power Consumption	18W(Typ.)
Ignition	Delay start, default 10 seconds Delay shutdown, default 10 seconds; (The time can be adjusted by BIOS) Hardware power off time is 30 seconds after the device detects the Ignition signal
UPS	3350mAh/7.2V (Optional)

### Environmental

Operating Temperature	-30~70°C
Relative Humidity	5%-90%, @ 40°C (non-condensing)
Vibration	Impact resistance: MIL-STD-810G Method 516.6 Procedure I Anti-vibration: MIL-STD-810G Method 514.6 Procedure I
Certifications	CE, FCC

### Mechanical

Material	All Metal Structure
Dimension (W x L x H)	240 x 180 x 59 mm
Weight	2.1Kg

### Packing List

1 x VC-3000
1 x AC-DC Power Adapter
1 x Certificate
1 x Warranty Card

## Dimension

