VBOX-3131

Taiwan Patent No. M447854

Intel Celeron N3060 Braswell CPU In-Vehicle Computer with 9~60V DC Input In-Vehicle Computer

Features

- Intel Celeron Processor N3060, Up to 2.48 GHz
- Wireless support 5G / LTE / GPS, Wi-Fi + Bluetooth (by optional M.2 modules)
- 9V 60V DC Power Input
- · Smarter Vehicle Power Ignition for Variety Vehicle
- Ultra-compact Design 150 x 135 x 55.3 mm
- Battery Backup (optional)



Introduction

VBOX-3131 is an ultra-compact size fanless In-Vehicle Computer with 5G connectivity. It utilizes Intel® Celeron® N3060 Dual-Core CPU up to 2.48GHz. VBOX-3131 features an ultra-compact design measuring 150 x 120 x 53mm, which can easily fit into restricted spaces. As robust connectivity, the system can select 5G, LTE, GPS, and Wi-Fi / Bluetooth by M.2 modules. It is a building-in dual independent DVI-D, audio line out, and microphone In, the perfect solution for fleet management, in-vehicle digital signage, and mobile DVR. Furthermore, it features Smarter Vehicle Power Ignition and wireless remote control in variety of vehicles.VBOX-3131 can effectively support cars in extreme weather and operating conditions, such as snowplows, Trucks, Buses, taxis, and Forklifts. With Intel N3060, VBOX-3131 has wireless connectivity such as 5G, LTE, Wi-Fi, Bluetooth, and an ultra-compact enclosure with dual DVI-D and Audio. Sintrones' VBOX-3131 is a compact and versatile in-vehicle computer that can fuel various transportation systems.

Specifications

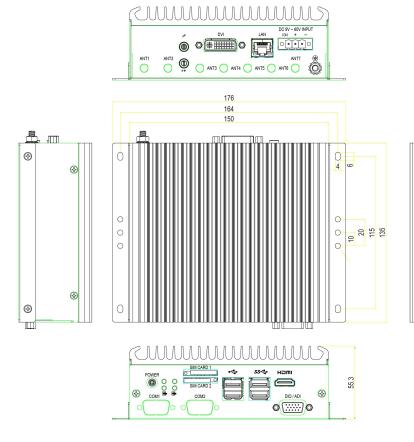
Sustan		
System		
CPU	Intel N3060 Dual Core CPU up to 2.48GHz	
Memory	1 x DDR3L-1600 SO-DIMM up to 8GB	
Chipset	N/A	
Graphics	Intel HD Graphics	
LAN Chipset	1 x Intel i210AT Gigabit Ethernet	
Watchdog	1 ~ 255 Level Reset	
TPM	2.0	
I/O		
USB Port	2 x USB 3.2 Gen 1x1	
	2 x USB 2.0	
LAN	1 x RJ45 Ports for GbE	
Video Port	1 x HDMI, 1 x DVI-D * Use only with Single Link DVI Cables	
DIO Port	2 x Analog Input (9~60V), 4 x DI (5V~60V), 4 x DO (5V/100mA/port)	
Audio	1 x Mic-in, 1 x Line-out	
	1 x M.2 3042/3052 B Key for LTE/5G module	
Expansion Bus	1 x M.2 2230 A-E Key for Wi-Fi + Bluetooth	
	1 x miniPCIe slot support (USB+PCIe bus or mSATA)	
Antenna	7 x Pre-cut SMA holes for Antenna Connectors	
SIM Card Socket	2 x SIM Card Sockets Supported Onboard	
Serial Port	2 x RS 232/422/485 (Optional, Model name VBOX-3131-2S)	
Storage		
Туре	1 x M.2 2280 M key support SATA Bus	
Software		
Operating System	Windows*, Ubuntu 16.04 *The supported version depends on the Microsoft® announcement.	

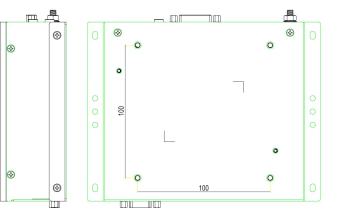
Environmental		
Operating Temp.	-30 ~ 60°C, ambient w/ 0.6m/s airflow	
Storage Temp.	-30 ~ 85°C	
Relative Humidity	10% RH – 90% RH (non-condensing)	
Vibration	IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis	
(with SSD)	MIL-STD-810G, Method 514.6, Procedure I, Cat.4	
Shock	Operating: MIL-STD-810G, Method 516.6, Procedure I, Trucks and semi-trailers=15G (11ms) with M.2 SSD	
Certifications	CE, FCC Class A, E13	
Power Requirement		
Power Input	9V - 60V DC Power Input	
Power Mgmt.	Vehicle Power Ignition for Variety Vehicle	
Power Off Control	Power off Delay Time Setting by BIOS and Software	
Battery (UPS)	Internal Battery Kit for 10 Mins Operating (Optional) *UPS backup time varies depending on actual overall system power consumption. Patent No. : M447854 - Build-in Battery	
Mechanical		
Construction	Aluminum Alloy	
Mounting	Wall-mount and VESA mount	
Weight	1100g	
Dimensions	150(L) x 135(W) x 55.3(H) mm	

All specifications are subject to change without notice.

Dimensions

Unit : mm





Ordering Information

Part Number	VBOX-3131, VBOX-3131-2S (w/optional 2 x RS232/422/485)	
Description	Intel Celeron N3060 Braswell CPU In-Vehicle Computer with 9~60V DC Input In-Vehicle Computer	
State of Origin	Made in Taiwan	

Optional Accessories

DRAM	SO-DIMM max.DDR3L 1600, 2GB~8GB, -40~85°C
SATA SSD	M.2 2280 SATA SSD M key TLC 64GB~1TB.
Wifi/ BT	M.2 2230 A-E Key Card
5G/ LTE/ GPS	M.2 3042/3052 B Key Card
Battery backup kit	BAT-3000-P kit
Power adapter	Power Adapter 12V/5A 60W Jack