VBOX-3131

Taiwan Patent No. M447854

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

Features

- Intel N3060 Core CPU up to 2.48GHz
- Wireless support 5G/LTE/GPS, Wifi+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 (Option)













Introduction

VBOX-3131 is an ultra-compact size fanless In-Vehicle Computer with 5G connectivity. It utilizes Intel ATOM Braswell N3060 Dual Core CPU up to 2.48GHz. VBOX-3131 feature an ultra-compact design measuring 150 x 135 x 55.3mm, which can easily fit into restricted spaces. The system is able to select 5G, LTE, GPS and Wifi/BT by M.2 modules as powerful connectivity. In addition, it is building-in dual independent DVI-D, audio line out and microphone In, which is perfect solution for fleet management, in-vehicle digital signage and mobile DVR. Furthermore, it features Smarter Vehicle Power Ignition and wireless remoted control in variety of vehicles.VBOX-3131 can effectively support vehicles in extreme weather and operating conditions, such as Snowplow, Trucks, Buses, Taxi and Forklifts. Combining Intel Braswell N3060 CPU, 5G, LTE, Wifi, Bluetooth wireless connectivity and ultra-compact enclosure, Sintrones' VBOX-3131 is a compact and yet versatile In vehicle computer that can fuel various transportation system.

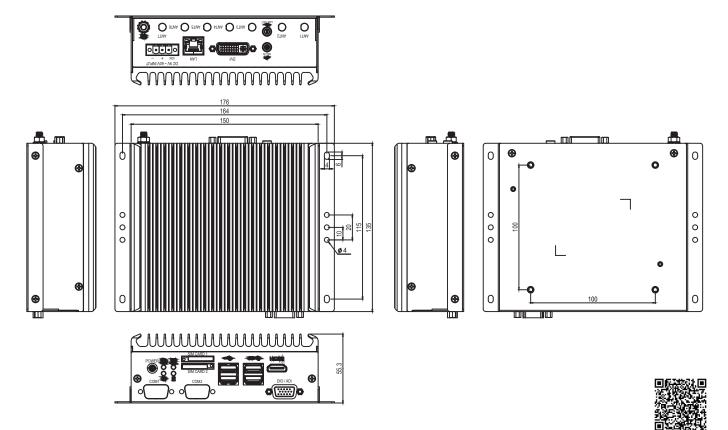
Specifications

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		
HCD Dowl	2 x USB 3.2 Gen 1x1	
USB Port	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 Wifi+Bluetooth	
	1 x miniPCle slot support (USB+PCle 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 (Option, Model name VBOX-3131-2S)	
Storage		
Туре	1 x M.2 2280 M key support SATA Bus *Additional heat Sink is required. Please contact with Sales Window for suitable model.	
Software		
Operating System	Win 10, Ubuntu 16.04	

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 (with SSD)	IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis	
	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, ECE R118	
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	

Dimensions

Unit: mm



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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