

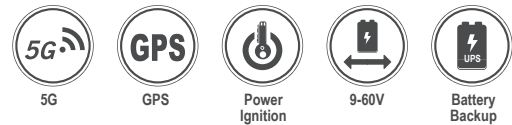


# VBOX-3131

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, Sintronex' 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	
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
Expansion Bus	1 x M.2 3042/3052 B Key for LTE/5G module
	1 x M.2 2230 A-E Key for Wifi+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 (Option, Model name VBOX-3131-2S)
Storage	
Type	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. <b>Patent No. : M447854 - Build-in Battery</b>
Mechanical	
Construction	Aluminum Alloy
Mounting	Wall-mount and VESA mount
Weight	1100g
Dimensions	150(L) x 135(W) x 55.3(H) mm

