VBOX-3130

Intel Braswell N-Series Atom CPU In-Vehicle Computer with 9~36V DC Input

Power Ignition

Wide Range

Wireless

Battery Backup

Features

- Intel N3160 Quad Core CPU up to 2.24GHz
- Wireless support LTE, 3.5G, WLAN, GPS, GSM/GPRS, Bluetooth
- 9V - 36V DC Power Input
- Smarter Vehicle Power Ignition for Variety Vehicle
- 3 x RS-232 (COM1 & COM2 with 232/422/485)
- 2 x DI / 2 x DO (12V / 100mA)

Taiwan Patent No. M447854

System

CPU	Intel N3710 Quad Core CPU up to 2.56GHz
	Intel N3160 Quad Core CPU up to 2.24GHz
	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
ATA	2 x Serial ATA 2.0 Ports with 6Gb/s HDD transfer Rate
LAN Chipset	2 x Intel i210-AT Gigabit Ethernet
Watchdog	1 ~ 255 Level Reset

I/O

Serial Port	3 x RS-232 (COM1 & COM2 with RS-232/422/485)
USB Port	2 x USB 3.0, 1 x USB 2.0
LAN	2 x RJ45 Ports for GbE
Video Port	1 x HDMI and 1 x DVI-I*
GPIO Port	2 In and 2 Out (12V / 100mA)
Audio	Mic-in/Line-out
Expansion Bus	3 x Mini-card Slots
Antenna	4 x SMA-type External Antenna Connectors for LTE / WLAN / UMTS / GSM / GPRS / GPS / Bluetooth
SIM Card Socket	2 x SIM Card Sockets Supported Onboard with eject

* Use only with Single Link DVI Cables.

Power Requirement

Power Input	9V - 36V DC Power Input
Power Management	Vehicle Power Ignition for Variety Vehicle
Power Off Control	Power off Delay Time Setting by Software, Default is 5 Mins
Backup Battery	Internal Battery Kit for 10 Mins Operating (Optional)
	Patent No.:M447854 - Build-in Battery

Qualification

Certifications	CE, FCC Class A, EMark Compliance

Storage

Type	1 x 2.5" Drive Bay for SATA Type Hard Disk Drive / SSD
	1 x SATA DOM

Software

Operating System	Windows 7, WES 7, Windows 10, Ubuntu 14.04 above

Environmental

Operating Temp.	-40 ~ 70ºC (SSD), ambient w/ air
Storage Temp.	-40 ~ 80ºC
Relative Humidity	10 ~ 90% (non-condensing)
Vibration(random)	2.5g@5~500 Hz with SSD
Vibration Operating	MIL-STD-810G, Method 514.5, Category 20, Ground Vehicle-Highway
Truck Storage	MIL-STD-810G, Method 514.5, Category 24, Integrity Test
Shock	Operating: MIL-STD-810G, Method 516.5, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD
Crash Hazard	MIL-STD-810G, Method 516.5, Procedure V, Ground equipment=100g

Mechanical

Construction	Aluminum Alloy
Mounting	Wall-mount, VESA-mount, Din Rail Mounting Kit
Weight	1406 g
Dimensions	182(L) x 167.6(W) x 54(H) mm

Ordering Information

Part Number	VBOX-3130-000
Description	Intel Braswell N3160 Atom CPU In-Vehicle Computer with 9~36V DC Input