VBOX-3121

Intel Gen6 i7-6600U with HD Graphic 520 / 2 x LAN/ 2 x HDMI/ VGA with 3 x RS-232/ DC 9-36V Input In-Vehicle Computer

Backplane Systems Technology Pty Ltd

TEL 02 9457 6400
sales@backplane.com.au
www.backplane.com.au

Proudly Australian-Owned Since 1989

Features

- Intel Gen 6 Core i7-6600U
- Wireless support LTE, WLAN, GPS, GSM/GPRS, Bluetooth(Option)
- 9V - 36V DC Power Input
- Smarter Vehicle Power Ignition for Variety Vehicle
- 4 x RS-232/422/485 (for i7 and i5)
- 2 x DI / 2 x DO (12V / 100mA)

Power Ignition   Wide Range   Wireless   Battery Backup

Taiwan Patent No. M447854

System

CPU	Intel Gen 6 Core i7-6600U 2.6GHz up to 3.4GHz
	Intel Gen 6 Core i5-6300U 2.4GHz up to 3.0GHz
	Intel Gen 6 Core i3-6100U 2.3GHz
	Intel Gen 6 Dual Core 3955U 2.0GHz
Memory	1 x DDR4 SO-DIMM up to 16GB
Graphics	Intel HD Graphics
ATA	2 x Serial ATA ports with 6Gb/s HDD Transfer Rate
LAN Chipset	1 x Intel i210-AT Gigabit Ethernet
	1 x Intel i219-LM Gigabit Ethernet (LAN 2), support iAMT for i5 & i7
Watchdog	1 ~ 255 Level Reset

I/O

Serial Port	4 x RS-232/422/485 (for i7 and i5)
	3 x RS-232/422/485 (for i3 and C1)
USB Port	2 x USB 3.0 and 1 x USB 2.0 Ports
LAN	2 x RJ45 Ports for GbE
Video Port	2 x HDMI/ 1 x VGA
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

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 BIOS and Software
Battery (UPS)	Internal Battery Kit for 10 Mins Operating (Optional) **Patent No. : M447854 - Build-in Battery**

Qualification

Certifications	CE, FCC Class A, E-13

Storage

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

Software

Operating System	Windows 10, Ubuntu 16.04 64bit

Environmental

Operating Temp.	-40 ~ 70ºC (SSD), ambient w/ 0.6m/s airflow
Storage Temp.	-40 ~ 80ºC
Relative Humidity	10% RH – 90% RH (non-condensing)
Vibration (random)	IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis with SSD
Vibration Operating	MIL-STD-810G, Method 514.6, Procedure I, Category 4
Shock	Operating: MIL-STD-810G, Method 516.6, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD
Certifications	CE, FCC Class A, E-13

Mechanical

Construction	Aluminum Alloy
Mounting	Wall-mount, VESA-mount, Din Rail Mounting Kit
Weight	1406 g
Dimensions	250 x 167.6 x 54 mm (for i7 and i5)
	182 x 167.6 x 40 mm (for i3 and C1)

Ordering Information

Part Number	VBOX-3121-i7, VBOX-3121-i5, VBOX-3121-i3, VBOX-3121-C1
Description	Intel Gen6 i7-6600U with HD Graphic 520 / 2 x LAN/ 2 x HDMI/ VGA with 3 x RS-232/ DC 9-36V Input In-Vehicle Computer
State of Origin	Made in Taiwan