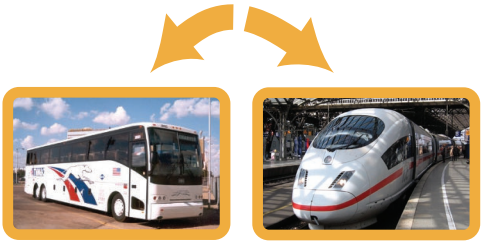
VBOX-3120

Intel Haswell Dual Core 2980U 1.6GHz CPU In-Vehicle Computer w/ 9~36V DC Input



Power Ignition

Wide Range

Wireless

Battery Backup

Features

- Intel Gen4 Dual Core 2980U 1.6GHz
- Wireless support LTE, 3.5G, WLAN, GPS, GSM/GPRS, Bluetooth
- 9V - 36V DC Power Input
- Smarter Vehicle Power Ignition for Variety Vehicle
- Support 1 x RS-232 (Option up to 3 x COM Ports)
- Support 2 x DI / 2 x DO (12V / 100mA)

Taiwan Patent No. M447854

System

CPU	Intel Gen4 Dual Core 2980U 1.6 GHz (optional for Core i3/i5/i7)
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	1 x RS-232 (COM1 w/ RS-232/422/485), Option 3 x COM
USB Port	2 x USB 3.0 and 1 x USB 2.0 Ports
LAN	2 x RJ45 Ports for GbE
Video Port	1 x HDMI and DVI-I
GPIO Port	Support 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 7, WES 7, Windows 8.1, Linux 3.0.X

Environmental

Operating Temp.	-40 ~ 70°C (SSD), ambient w/ air
Storage Temp.	-40 ~ 80°C
Relative Humidity	10 ~ 90% (non-condensing)
Vibration(random)	2.5g@5~500 Hz with SSD
Vibration Operating	MIL-STD-810F, Method 514.5, Category 20, Ground Vehicle-Highway
Truck Storage	MIL-STD-810F, Method 514.5, Category 24, Integrity Test
Shock	Operating: MIL-STD-810F, Method 516.5, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD
Crash Hazard	MIL-STD-810F, 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	763120010000
Description	Intel Haswell Dual Core 2980U 1.6GHz CPU In-Vehicle Computer w/ 9~36V DC Input

All specifications are subject to change without notice.