VBOX-3150

**Intel Haswell Celeron 2980U/i3-4010U CPU with
2 x PoE/ 1 x GbE with vPro/
4 x COM In-Vehicle Computer**

Features

- **Intel Gen4 Celeron 2980U/i3-4010U**
- **Wireless support LTE, WLAN, GPS, Bluetooth(Option)**
- **2 x PoE 802.3af & 1 x GbE with iAMT9.5**
- **Input 9-36V with Ignition for Variety Vehicle**
- **4 x RS-232 (COM1&COM2 with RS-232/422/485)**
- **1 x DVI, 1 x HDMI, 1 x VGA**

Power Ignition　　Wide Range　　Wireless　　Battery Backup

Taiwan Patent No. M447854

System

CPU	Intel Gen4 Core i3-4010U 1.7GHz
	Intel Gen4 Dual Core 2980U 1.6 GHz
	(Optional i5, i7)
Memory	1 x DDR3L-1600 SO-DIMM up to 8GB
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 with PoE 802.3af
	1 x Intel i-218LM GbE support vPro (iAMT9.5 w/ i5, i7 only)
Watchdog	1 ~ 255 Level Reset

I/O

Serial Port	4 x RS-232 (2 with RS-232/422/485)
USB Port	2 x USB 3.0 and 1 x USB 2.0 Ports
LAN	3 x RJ45 Ports for GbE (2 x PoE 802.3at, 1 x support vPro)
Video Port	1 x HDMI, 1 x DVI-I* and 1 x VGA
GPIO Port	4 In and 4 Out
Audio	Mic-in/Line-out (option 2 x Line--out)
Expansion Bus	4 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 Protection	Vehicle Power Ignition for Variety Vehicle
Power Mgmt.	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**

Software

Operating System	Win 7, Win 10, Ubuntu 16.04

Storage

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

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 (with SSD)	IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis
	MIL-STD-810G, Method 514.6, Procedure I, Cat.4, Operating
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
Certifications	CE, FCC Class A, E-13

Mechanical

Construction	Aluminum Alloy
Mounting	Wall-mount, VESA-mount, Din Rail Mounting Kit
Weight	1406 g
Dimensions	229 x 161 x 65 mm

Ordering Information

Part Number	763150010000
Description	Intel Haswell Celeron 2980U/i3-4010U CPU with 2 x PoE/ 1 x GbE with vPro/ 4 x COM In-Vehicle Computer
State of Origin	Made in Taiwan

All specifications are subject to change without notice.