PowerBrick 5.0

Intel Gen3 Core i3 / i7 CPU 1.7GHz with HD 4000 GPU On-Board Computer

Delay Time

Power Ignition

Wide Range

Wireless

Battery Backup

Features

- Intel Core i3 / i7-3517UE 1.7GHz
- Wireless Support LTE, 3.5G w/ Dual SIM Card, WLAN, GPS Dead Reckoning & G-Sensor, GSM/GPRS, Bluetooth
- 9V - 32V DC Power Input
- Smarter Vehicle Power Ignition for Variety Vehicle
- Dual Removable Hot Swappable Storage with RAID
- Support 1 x CAN Bus 2.0B (Optional)

System

CPU	Intel Gen 3 Core i3 / i7-3517UE 1.7GHz
	Intel Gen 3 Core i3-3217UE 1.6GHz
Memory	1 x DDR3 1066/1333/1600 MHz SO-DIMM up to 8 GB
Chipset	QM77
LAN Chipset	Intel I210-AT Gb/s Ethernet Controllers Onboard
	Support PXE and WOL
Audio	Realtek ALC662 HD Codec Onboard
Watchdog	Watchdog Timer Support, Offer 1 – 255 Step

I/O

Serial Port	4 x RS-232 (2 with RS-485 (Auto Direction Control))
USB Port	4 x USB 3.0 Ports
LAN	4 x RJ45 Ports for GbE
Video Port	1 x DVI-I + VGA Display Port
	1 x DP Port
	(Support Dual Independent Display)
DIO Port	4 In and 4 Out
Audio	1 x Line-out and 1 x Mic-in (Line-in Optional)
SIM Card Socket	2 x SIM Card Socket Supported Onboard with Eject

Graphics

Graphics	Intel® HD Graphics 4000
	DirectX Video Acceleration (DXVA) for Accelerating Video
	Processing - Full AVC/VC1/MPEG2 HW Decode
	Supports DirectX 11/10.1/10/9 and OpenGL 3.0
Resolution	Up to 1920x1200

Storage

Type	2 x 2.5" Drive Bay for SATA Type HDD / SSD,
	Supports RAID 0, 1

Power Requirements

Power Input	9V - 32V DC Power Input
Power Protection	Automatic Recovery Short Circuit Protection
Power Management	Vehicle Power Ignition for Variety Vehicle
Power Off Control	Power-off Delay Time Setting by Software, Default is 5 Mins
Battery	Internal Battery Kit for 10 Mins Operating (Optional)

Environmental

Operating Temp.	-40ºC ~ 70ºC (Default CPU 17 Watt)
Storage Temp.	-40ºC ~ 80ºC
Relative Humidity	0% RH– 95% RH
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=40G (11ms) with SSD
Crash Hazard	MIL-STD-810F, Method 516.5, Procedure V,
	Ground Equipment=100g
Certifications	CE, FCC Class A, eMark

Mechanical

Construction	Aluminum alloy
Mounting	Supports Wall-Mount
Weight	1780 g (Bare-Bone)
Dimensions	250 x 150 x 55 mm

Support Information