FleetPC-4-E

Intel Apollo Lake E3940 Atom CPU In-Vehicle Computer with 9~36V DC Input

Power Ignition

Wide Range

Wireless

Battery Backup

Taiwan Patent No. M447854

Features

- Intel E3940 Atom CPU up to 1.8GHz
- 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)

System

CPU	Intel E3940 Quad Core Atom CPU up to 1.8GHz
	Intel N3350 Dual Core Atom CPU up to 2.4GHz
Memory	1 x DDR3L-1600 SO-DIMM up to 8GB
Graphics	Intel HD Graphics 500
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
Resolution	3840 x 2160 @ 30Hz max.

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 10/100/1000 Mbps LAN
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 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