SD3120-3S

Intel Haswell Dual Core 2980U 1.6GHz CPU with 3 x RS-232/ DC 9-36V Input In-Vehicle Computer

Features

- Intel Gen4 Dual Core 2980U 1.6GHz
- Wireless support LTE, WLAN, GPS, Bluetooth(Option)
- 9V - 36V DC Power Input
- Smarter Vehicle Power Ignition for Variety Vehicle
- 3 x RS-232 (COM1&COM2 with RS-232/422/485)
- 2 x DI / 2 x DO (12V / 100mA)

Power Ignition   Wide Range   Wireless   Battery Backup

System

CPU	Intel Gen 4 Core i7-4650U 1.7GHz up to 3.3GHz
	Intel Gen 4 Core i5-4300U 1.9GHz up to 2.9GHz
	Intel Gen 4 Core i3-4010U 1.7GHz
	Intel Gen 4 Dual Core Celeron 2980U 1.6GHz
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
Watchdog	1 ~ 255 Level Reset

I/O

Serial Port	3 x RS-232 (COM1 & COM2 with RS-232/422/485)
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	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 Mgmt.	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)

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 | WES 7, Win 10, Ubuntu 16.04 |

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

Mechanical

Construction	Aluminum Alloy
Mounting	Wall-mount, VESA-mount, Din Rail Mounting Kit
Weight	1406 g
Dimensions	182 x 167.6 x 54 mm

Ordering Information

Part Number	
Description	Intel Haswell Dual Core 2980U 1.6GHz CPU w/ 3 x RS-232/ DC 9-36V Input In-Vehicle Computer
State of Origin	Made in China

All specifications are subject to change without notice.