***Industrial System***

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***Features***

* Intel® Atom™ x5-E3930 1.3GHz (up to 1.8 GHz)
* DDR3L 1.35V SO-DIMM supported
* Serial, CAN bus and digital I/O interface

Fanless

CAN-Bus

Dual LAN

RS-232

/422/485

PCIe Mini Expansion

***Specifications***

* ***Fanless DIN-Rail Embedded System***
* ***Intel® Atom***™ ***x5-E3930 1.3GHz (up to 1.8 GHz) Solution***

**DRPC-130-AL**

|  |  |
| --- | --- |
| **Model Name** | **DRPC-130-AL** |
| **Chassis** | **Color** | Black |
| **Dimensions (WxDxH)** | 58.75 x 130 x 174 |
| **System Fan** | Fanless |
| **Chassis Construction** | Extruded aluminum alloy |
| **Motherboard** | **CPU** | Intel® Atom™ x5-E3930 1.3GHz (up to 1.8 GHz, dual core, TDP=6.5W) |
| **Chipset** | SoC |
| **System Memory** | 1x 204-pin DDR3L SO-DIMM slot (system max. 8 GB)(DRPC-130-AL-E1/4GB SKU is pre-installed with 4 GB memory) |
| **Storage** | **Hard Drive** | 1 x 2.5'' SATA 6Gb/s HDD/SSD bay |
| **eMMC** | 1 x eMMC 5.0 support (up to 32GB, optional) |
| **I/O Interfaces** | **USB 3.0** | 4 |
| **USB 2.0** | 1 by pin header |
| **Ethernet** | 2 x RJ-45PCIe GbE by Intel® I211 controller |
| **COM Port** | 4 x RS-232/422/485 (DB-9) |
| **Digital I/O** | 8-bit digital I/O, 4-bit input/4-bit output (DB-9) |
| **CAN Bus** | 1 x DB-9 w/ 2.5kV Isolation protection, supporting 2-port CAN-bus |
| **Display** | 2 x HDMI 1.4b |
| **Resolution** | Up to 3840 x 2160@30Hz |
| **SIM** | 1 x Internal on-board SIM slot (optional) |
| **Wireless** | 1 x 802.11a/b/g/n/ac (optional) |
| **TPM** | 1 x TPM 2.0 (2x10 pin) (optional) |
| **Others** | 1 x Power Button 1 x LED for HDD (Yellow)1 x Reset Button 1 x LED for Power (Green) 1 x AT/ATX Switch |
| **Expansions** | **PCIe Mini** | 1 x Half-size PCIe Mini slot1 x Full-size PCIe Mini slot (supports mSATA, colay with SATA) |
| **Power** | **Power Input** | 3-pin terminal block: 12 V ~ 24 V DC |
| **Remote PWR** | PSON 2-pin terminal block |
| **Power Consumption** | 12V @ 2.88 A (Intel® Atom™ x5-E3930 CPU with 4GB 1600 MHz DDR3L memory) |
| **Reliability** | **Mounting** | DIN-rail / Wall mounting |
| **Operating Temperature** | -20°C ~ 60°C with air flow (SSD), 10% ~ 95%, non-condensing |
| **Storage Temperature** | -40°C ~ 85°C with air flow (SSD), 10% ~ 90%, non-condensing |
| **Operating Shock** | Half-sine wave shock 5G, 11ms, 100 shocks per axis, IEC68-2-27 |
| **Operation Vibration** | MIL-STD-810G 514.6C-1 (SSD) |
| **Weight (Net/Gross)** | 1.4Kg/2.5Kg |
| **Safety / EMC** | CE/FCC |
| **Watchdog Timer** | Programmable 1~255 sec/min |
| **OS** | **Supported OS** | Microsoft® Windows 10 / Linux |

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***Fully Integrated I/O***

***Front View Top View***

2 x CAN-bus isolated DIO

12V~24V DC in

Power switch

2 x GbE LAN

4 x RS-232/422/485

***Dimensions (Unit: mm)***

18

#6-32

a a

a

130

***DRPC-130-AL***

58.75

4 x USB 3.0

PS On

2 x HDMI

Reset

AT/ATX mode

***Industrial System***

# *Ordering Information*

174

8

|  |  |
| --- | --- |
| **Part No.** | **Description** |
| **DRPC-130-AL-E1-R11** | Fanless embedded system, Intel®Apollo Lake x5-E3930 1.3GHz (up to 1.8GHz, dual core), two HDMI, 8 CH DIO, CAN-Bus, COM, 12~24V DC and RoHS |
| **DRPC-130-AL-E1/4GB-R11** | Fanless embedded system, Intel®Apollo Lake x5-E3930 1.3GHz (up to 1.8GHz, dual core), 4GB DDR3L pre-installed memory, two HDMI, 8 CH DIO, 12V ~ 24V DC and RoHS |

***Options***

|  |  |  |
| --- | --- | --- |
| **Item** | **Part No.** | **Description** |
| **Adapter** | **63040-010036-210-RS** | Adapter Power;FSP;FSP036-RHBN3;9NA0362707;;Vin:90~264VAC;36W;Dim:37.8\*89.8\*27.0mm;Plug=7.5mm;Cable=1500mm;Erp(NO LOAD 0.075W);Vout:12VDC;Φ2.5/Φ5.5/lock;CCL;RoHS |
| **Power Cable** | **32102-026500-100-RS** | Power cable 200mm, (A) DC jack to (B) 3-pin terminal block P=3.5 |
| **Power Cord** | **32702-000200-100-RS** | POWER CORD; EUROPEAN CODE(VDE); 2; 1830MM; (A)PLUG:SH-005(16A 250V); (B)CONNECTOR:C13(SH- 006,10A250V); Self-Man; CCL; RoHS |
| **Wireless Kit** | **EMB-WIFI-KIT01-R20** | 1T1R Wi-Fi module kit for embedded system, IEEE802.11a/b/g/n/ac Wi-Fi with Bluetooth 4.0/3.0+HS, 1 x Wi-Fi module, 2 x 250mm RF cable, 2 x Antenna, RoHS |
| **TPM Module** | **TPM-IN02-R20** | 20-pin Infineon TPM2.0 module, software mangement tool, firmware v5.5 |
| **DIN-Rail Mounting Kit** | **DK-DRPC-R10** | Rugged DIN-rail mounting kit for DPRC series only |
| **OS:Windows Embedded 10** | **DRPC-130-W10E64-E-R10** | OS Image with Windows® 10 IoT Enterprise Entry 64-bit for DRPC-130-AL Series, with DVD-ROM, RoHS |

***Packing List***

1x Din-rail mounting kit

1 x Screw kit