DRPC-130-AL

Fanless DIN-Rail Embedded System

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

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Specifications

Form factor	
SBC Form Factor	» 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)
	» Power:
	Input : 3-pin terminal block: 12 V ~ 24 V DC
	Consumption: 12V @ 2.88 A (Intel® Atom™ x5-E3930 CPU with 4GB 1600 MHz DDR3L memory)
	Remote Power: PSON 2-pin terminal block
	» Reliability:
	Operating Shock: Half-sine wave shock 5G, 11ms, 100 shocks per axis, IEC68-2-27
	Operating Vibration: MIL-STD-810G 514.6C-1 (SSD)
	Safety/EMC - CE/FCC
I/O Interface	
I/O Ports	» USB:4 x USB 3.0
	» Ethernet:2 x RJ-45 (PCIe GbE by Intel® I211 controller)
	» COM Port:4 x RS-232/422/485
	» Digital I/O:8-bit digital I/O , 4-bit input / 4-bit
	» CAN-Bus:1 x DB-9 w/ 2.5kV Isolation protection, supporting 2-port CAN-bus
	» Display:2 x HDMI™ 1.4b
Expansion Slots	
Expansion Slots	PCIe Mini:
	1 x Half-size PCIe Mini slot
	1 x Full-size PCIe Mini slot (supports mSATA, colay with SATA)
System	
Cooling method / System Fan	Fanless

Drive Bays	1 x 2.5' SATA 6Gb/s HDD/SSD bay
Indicator&Buttons	
Buttons	1 x Power Button
	1 x Reset Button
	1 x AT/ATX Switch
Indicators	1 x LED for HDD (Yellow)
	1 x LED for Power (Green)
Physical Characteristics	
Construction	Extruded aluminum alloy
Color	
Color	Black
Dimensions	
Dimensions	58.75 x 130 x 174
Weight	
Weight	1.4Kg/2.5Kg
Environment	
Operating Temperature	-20°C ~ 60°C with air flow (SSD)
Humidity	10% ~ 95%, non-condensing

Ordering Information

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-bit DIO, CAN-Bus, COM, 12~24V DC and RoHS
DRPC-130-AL-E1-R11	Fanless embedded system, Intel®Apollo Lake x5-E3930 1.3GHz (up to 1.8GHz, dual core), two HDMI, 8-bit DIO, CAN-Bus, COM, 12~24V DC and RoHS

Packing List

1 x Din-rail mounting kit	1 x Screw kit

Empower Your IoT Business

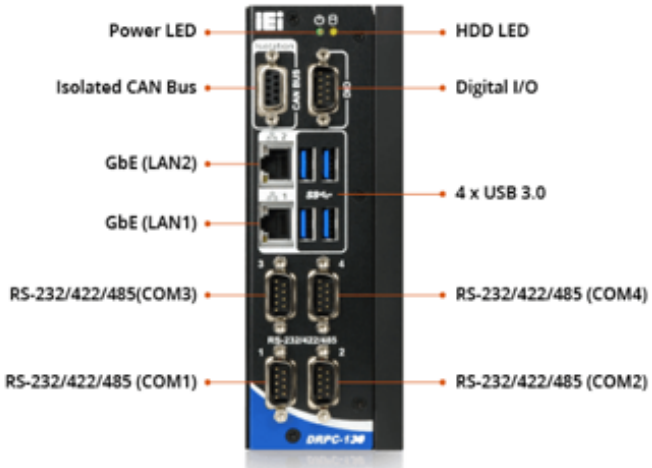
The DRPC-130-AL is an industrial IoT gateway equipped with Intel® Atom™ x5-E3930 Processor. To achieve the purpose of high efficiency in data collection, it is designed with rich I/O ports, including four USB 3.0, two 1 GbE LAN ports, four RS-232/422/485 COM ports, and two HDMI™ ports. It also provides isolated CAN bus for better communication between multi-devices in the vehicle market. This compact-size gateway can also integrate with two PCIe Mini slots and one 2.5" HDD for higher expandable capability. The DRPC-130-AL is suitable for applications like warehouse management, smart agriculture, factory automation and traffic management.

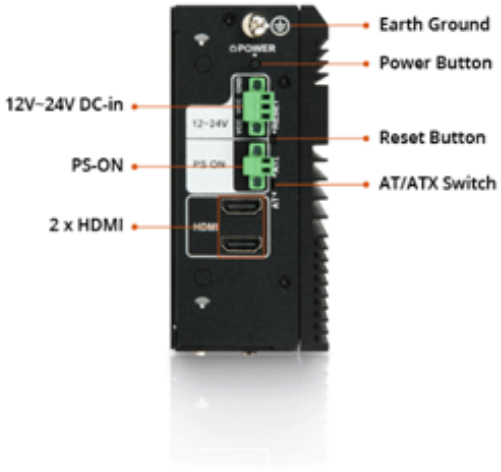
Wide Operating Temperature

To ensure high reliability in harsh environment, the DRPC-130-AL is able to endure -20°C to 60°C operating temperature, not only with no system crash, but also delivering constant performance with CPU running steadily above its base frequency.

Integrated with Easily-accessible I/O

The DRPC-130-AL is a well-developed communication gateway integrated with multiple I/O to meet any requirements for data collection in IoT applications.





2.5" HDD installation

DIMM Slot Location

Automatic Gate Controller

Featuring Intel® Atom™ CPU, compact size with slim design and rich I/O ports, the DRPC-130-AL is ideal to be used as an automatic gate controller.
The automatic ticket gate is one of basic needs of metro and train stations. During peak hours, automated gates must serve as stable, easily maintained system to manage and maintain a steady flow in the volume of commuters.

ATM

ATMs available nowadays facilitate services like cash withdrawal, transaction details, account balance, and card-to-card money transfer. The DRPC-130-AL can be installed in ATM machines to connect with card readers, displays, and receipt printers for collecting and transferring data to the control center.