

RM-1600

EPIC Board

AEWIN Technologies Co., Ltd.

PC/104 with Intel Atom® Apollo Lake X5-E3940, Max. 8GB DDR3L SODIMM Slot, 8GB EMMC5.1, VGA, LVDS, Dual LAN, 4x USB 2.0, 2x COM port, SATA, M.2 Socket, Active CPU Cooler, DC 5V Input



Features

- PC/104 Specification 2.6
- Low power consumption (Around 9.5W)
- Intel® Atom x5-E3940 Processor onboard (1.60Ghz/4C/2M/9.5W TDP)
- Supports the PC/104+ and PC/104 connector onboard
- DDR3L 1866 8GB Memory Max. (1x DDR3L Slot)
- VGA output (1920x1200 resolution) with 2x8 pin header
- 24-bit single channel LVDS connector with 2x20 pin header
- Dual LAN connector with 2x10 pin header(10/100/1000Mbps)
- 4xUSB 2.0, 2xCOM Port (COM1 Port-RS-232/422/485, COM2-RS232)
- 1xSATA Port (1x7 Pin), 1xM.2 socket with 2242 form factor
- 8GB eMMC 5.0 Flash onboard
- 4 in & 4 out GPIO
- DC 5V input AT mode Power
- -40~85 degrees Operating Temperature
- Dimension 96 mm x 116 mm

▼ System

Form Factor	PC/104
Processor	Intel Atom® Apollo Lake X5-E3930 Intel Atom® Apollo Lake X5-E3940
Chipset	Integrated
Memory	Max. 8GB DDR3L SODIMM Slot
BIOS	AMI 64M bits SPI Flash
COM Port	COM 1 port : RS-232 COM 2 port : RS-232/422/485
USB 2.0/3.0	4x USB 2.0 or 2x USB3.0
Ethernet Port	2x GbE Copper by 2x10 pin connector
Display	1x VGA, 1x LVDS
Audio	Audio card with Line IN/ Line OUT/ MIC IN (Optional)
TPM	N/A
Operating Humidity	10 ~ 90% RH operating, non-condensing
Storage	8GB eMMC 5.1 Flash onboard (Optional)
Expansion Slot	N/A

▼ Power Requirement

Power type	AT mode (5V DC +/-5%)
Power connector	DC 5V Input with 1x4 pin phoenix contact CONN w/o screws
Power Consumption	6~7W

▼ Main-board and Environmental

Dimensions	170x120x42mm(LengthxWidthxHeight)
OperatingTemperature	-40° C – 85° C

▼ Packing

- 1x RM-1600

Ordering Information

RM-1600A	PC/104-Plus with Intel Atom® Apollo Lake X5-E3930, Max. 8GB DDR3L SODIMM Slot, VGA, LVDS, Dual LAN, 4xUSB 2.0, 2xCOM port, SATA, M.2 Socket, Passive CPU cooler, DC 5V Input
RM-1600B	PC/104-Plus with Intel Atom® Apollo Lake X5-E3940, Max. 8GB DDR3L SODIMM Slot, 8GB EMMC5.1, VGA, LVDS, Dual LAN, 4xUSB 2.0, 2xCOM port, SATA, M.2 Socket, Active CPU Cooler, DC 5V Input

Accessory

R657A	Audio card with Line IN/ Line OUT/ MIC
R214A	Daughter Board for 2xLAN Port

* Note : All specifications are subject to change without prior notice