Mini-ITX Series

VIA

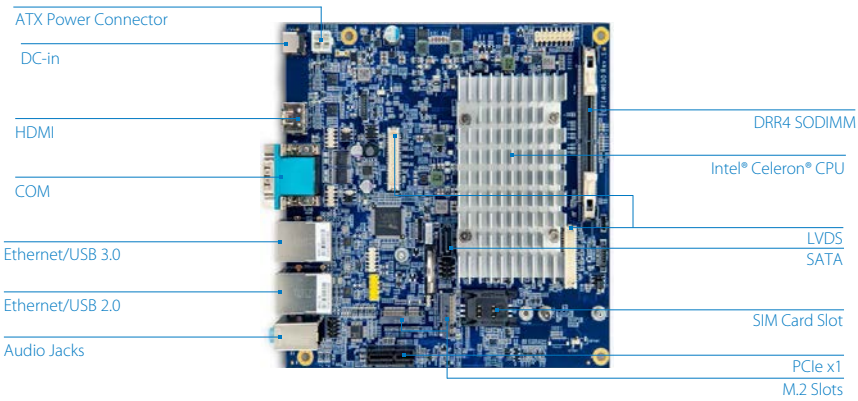
EPIA-M930

Highly-integrated low-power platform with rich feature set and multimedia capabilities

Features

- Compact 17cm x 17cm Mini-ITX form factor
- 1.8GHz Intel® Celeron® Quad Core Processor with TPM support
- Dual Gigabit Ethernet
- Wi-Fi, 4G/5G options, SIM card slot
- Rich feature set

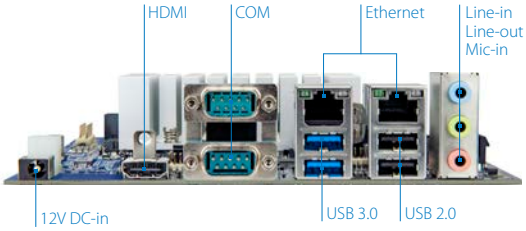
Board Placement



Specifications

Model Name	EPIA-M930
Processor	1.8GHz Intel® Celeron® Quad Core processor with TPM support
BIOS	AMI UEFI BIOS, 256Mbit SPI Flash ROM
System Memory	1 DDR4 SODIMM slot Up to 32GB memory
Storage	1 SATA connector 1 M.2 slot
Graphics	Integrated Intel Graphics Gen 11-Low Power (Gen 11-LP) Supports OpenCL* 1.2, OpenGL 4.5, OpenGL-ES 3.2, Vulkan. v1.1, DirectX
LAN	2 Realtek RTL8111H -CG 10/100/1000M Ethernet controllers
Audio	Realtek ALC888S-VD2-GR High Definition Audio Codec
Expansion I/O	1 PCIe x1 slot
Onboard I/O	1 SATA 1 USB 2.0 pin headers for 2 ports 2 Dual channel 18/24-bit LVDS panel connectors 2 COM port pin headers (powered with selectable 5V/12V) 1 I2C pin header 1 Digital I/O pin header (4 GPI + 4 GPO) 1 Front audio pin header for Line-out, Mic-in 1 Smart Fan pin headers for CPU and system 2 Backlight control connectors for inverter power and brightness control 1 RTC battery holder w/ battery 1 Clear CMOS jumper header 1 4-pin 12V DCIN power connector 1 PCIe x1 slot 1 M.2 slot for Wi-Fi 1 M.2 slot for storage/LTE 1 SIM card slot
Back Panel I/O	1 HDMI port 2 COM port (powered with selectable 5V/12V) 2 Gigabit Ethernet port 2 USB 3.0 ports 2 USB 2.0 ports 3 Audio jacks: Line-in, Line-out, and Mic-in
Power Supply	12V DC-in
Operating System	Windows 10/11, Linux
System Monitoring and Management	Wake-on-LAN, System power management, Power failure recovery, Watchdog Timer, internal TPM, secure boot.
Operating Temperature	0°C ~ 60°C
Operating Humidity	0% ~ 95% (non-condensing)
Form Factor	Mini-ITX (17cm x 17cm, 6.7" x 6.7")
Compliance	CE, FCC, UKCA

Back Panel I/O



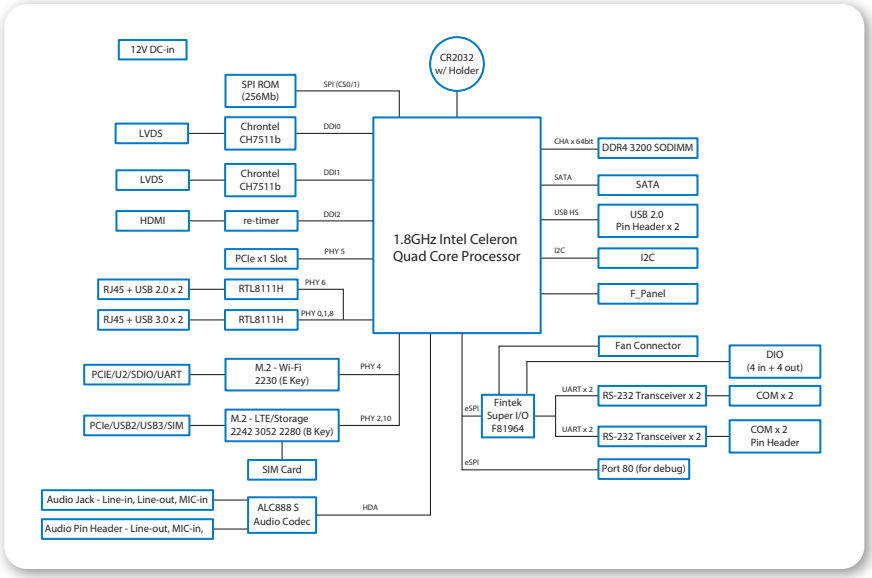
Ordering Information

Model Name	CPU Frequency	Description
10GQH18F000A0	Intel® Celeron® Quad Core CPU @ 1.8GHz	Mini-ITX board with 1.8GHz Intel® Celeron® Quad Core CPU with TPM support, 1 HDMI, 2 LVDS, 2 USB 3.0, 4 USB 2.0, 4 COM, 2 Gigabit Ethernet, 8 GPIO, PCIe x1 slot, SATA, 2 M.2 slots, SIM card slot, 12V DC-in

Optional Accessories

Wireless Accessories	
Part Number	**Description**
EMIO-8530-00A0	Wi-Fi & Bluetooth M.2 module with two antennas and assembly kit
EMIO-8570-00A0	4G LTE mobile broadband M.2 module with antenna and assembly kit (Worldwide)
EMIO-8570-01A0	4G LTE mobile broadband & GPS M.2 module with two antennas and assembly kit (Worldwide)

Block Diagram



Packing List

Items
EPIA-M930 board
SATA cable
SATA power cable
I/O bracket
M.2 screw pack (2 screws + 1 standoff)