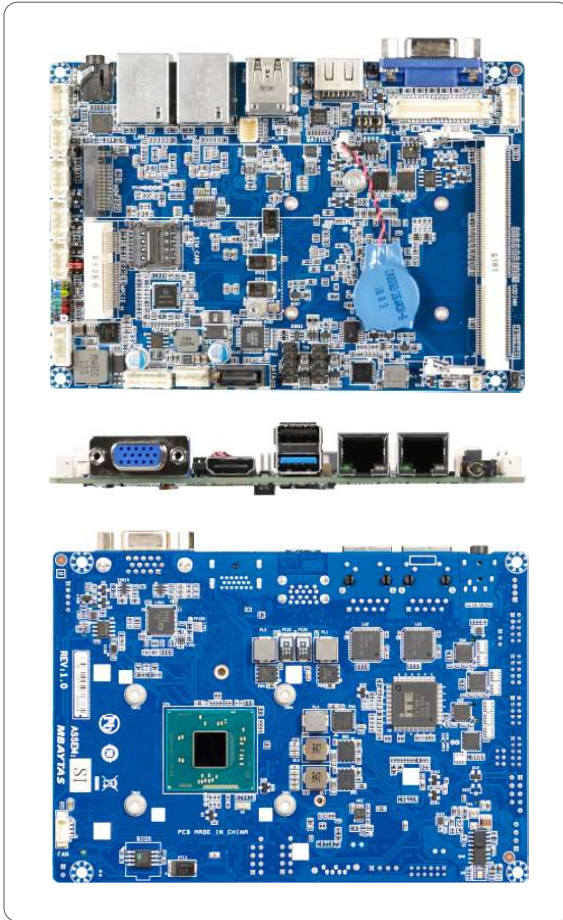


# QBIP-1900AT (MBAYTAS)

3.5" SubCompact Wide Temperature Embedded Motherboard with Intel® Celeron® J1900 Processor, Single Channel DDR3L memory, 4 x COM , 1 x SATA 3Gb/s, 6 x USB, Temp -40°C to 85°C



## Features

- 3.5" SBC
- Intel® Celeron® Processor J1900
- Single Channel DDR3L, 1 x SO-DIMM
- 2 x GbE LAN ports
- 1 x SATA 3Gb/s port
- M.2 with SATA 3Gb/s
- HDMI, D-sub, LVDS ports for multiple display
- 1 x RS232/422/485/5V/12V/RI COM port
- 1 x RS232/422/485 COM port
- 2 x RS232 COM ports
- Wide Temperature Embedded Motherboard

Audio	Realtek® Audio Codec
Storage	1 x SATA 3Gb/s port
Raid	—
Expansion Slots	1 x 2280 M.2 M-Key (SATA 3Gb/s) 1 x Full-size Mini PCIe with SIM slot (PCIe x1 + USB2.0) -- support 3G/4G module
Internal I/O	1 x 4 pin box power connector (DC in +9V~36VDC) (+48VDC optional) 1 x SATA Power header 1 x System fan header 1 x Front panel header 1 x 2W Speaker out header 4 x USB 2.0 headers 2 x COM headers (RS-232) 1 x COM header (RS-422/485/232) 1 x COM header (RS-422/485/232 and RI/5V/12V) 1 x Backlight control header 1 x AT/ATX mode select jumper 1 x GPIO (8-bits) & SMBUS header 1 x Buzzer
Rear I/O	1 x Headphone jack 1 x HDMI 1 x VGA 2 x RJ45 LAN ports 1 x USB 2.0 1 x USB 3.0
TPM	1 x TPM Header
OS Compatibility	Windows 10 (x64)
Operating Properties	Operating temperature: -40°C to 85°C Operating humidity: 0-90% (non-condensing) Non-operating temperature: -40°C to 85°C Non-operating humidity: 0%-95% (non-condensing)

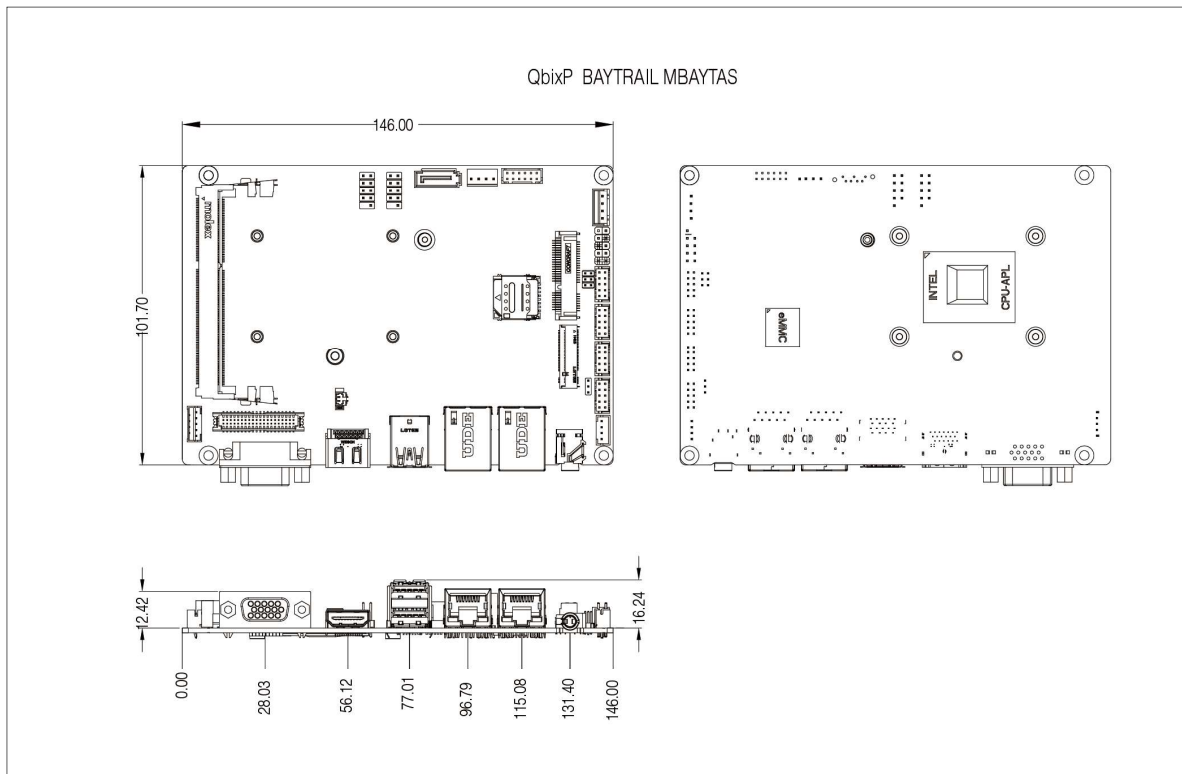
## Specifications

Form Factor	3.5" SBC 146W x 101.7Dmm
CPU	Intel® Celeron® Processor J1900 22nm, 4 cores, 4 threads, up to 2.42 GHz TDP 10W
Socket	1 x FCBGA1170
Chipset	—
Memory	1 x DDR3L SO-DIMM sockets, Max. Capacity 8GB Support Single channel DDR3L 1333 MHz memory module
Ethernet	2 x GbE LAN ports (Intel® i211AT)
Video	Integrated Graphics Processor - Intel® HD Graphics 500: 1 x HDMI 1.4 port, supporting a maximum resolution of 3840x2160 @30Hz 1 x VGA port, supporting a maximum resolution of 2560x1600 @60Hz (with compatible displays) 1 x LVDS port, supporting a maximum resolution of 1920x1080 @60Hz  (2 independent display outputs)

GIGAIPC reserves the right to modify or change technical data without prior notice.

## Dimension

Unit: mm



## Packing Content

- Box Packing Capacity: 10pcs
- Carton size: 375 x 324 x 293(mm)
- Content:
  - SATA Power cable x 1 (P/N: 25CRI-200B02-K1R)
  - Fanless Heatsink x 1 (P/N: 25ST1-153107-A7R)

## Order Information

- Motherboard: 9MBAYTASMR-S11

## Optional Kit

- TPM 2.0 module P/N: 9CTM000NR-00
- TPM Cable P/N: 25CRZ-100600-S9R

GIGAIPC reserves the right to modify or change technical data without prior notice.