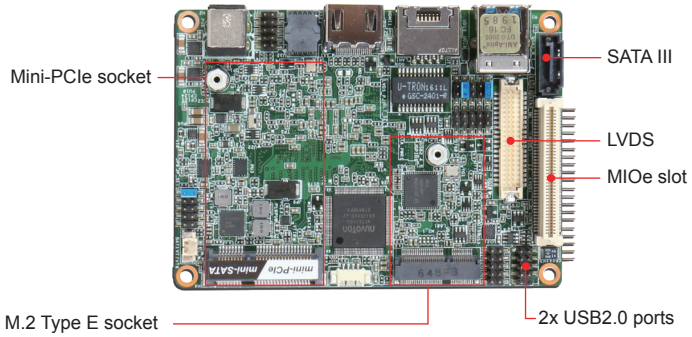
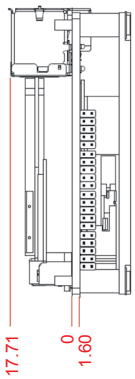
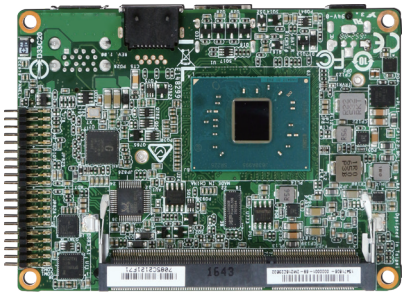
PICO-6260

Intel® Apollo Lake Atom® Processor based PICO-ITX embedded Board with DDR3L SDRAM, Gigabit Ethernet, HDMI, LVDS, mini-PCIe socket and 12V





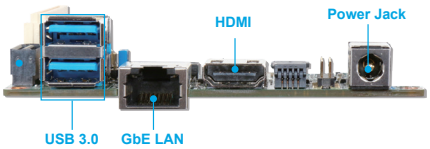


The PICO-6260 is a palm-sized fanless pico-ITX motherboard built with the latest 14 nm Intel® Pentium® or Celeron® processor (codename: Apollo Lake SoC).
Support for two USB3.0 ports ensures fast data transmission with low-power consumption and support two com port to allow quick and flexible system expansions. Intel® I210IT Gigabit Ethernet controllers provide dual Gigabit Ethernet LAN access via the one RJ45 ports. PICO-6260 can design their own unique systems for Panel PC, Kiosk and Digital Signage applications.

FEATURES

- Supports Intel® Apollo Lake series processor
- Supports DD3L-1866/1600 non-ECC memory on one SO-DIMM slots, up to 8GB
- Supports HDMI, and Dual channel 24bit LVDS
- Supports Mini-PCIe / mSATA (Mini-PCIe slot), and M.2 (E Key) socket
- Supports 2*COM ports(COM1 supports RS-232/422/485, COM2 supports RS-232)

REAR I/O



ORDERING GUIDE

AB1-3F84	**(R).PICO-6260** Intel® Apolloe Lake SoC on Board.EBC. w/ DDR3L/HDMI/GbE/COM/Audio/USB

GENERAL

Processor	BGA1296 for Intel® Atom® Apollo Lake SoC Processor
Chipset	N/A
BIOS	AMI UEFI BIOS
Memory	Support up to 8GB DDR3L 1333/1600/1866 MH/z SDRAM on one 204 pin SO-DIMM socket
Storage Devices	One SATA III port
Watchdog Timer	Programmable watchdog timer, time out period from 1 sec to 255 secs.
Hardware Monitoring	- Temperature (CPU & System) - Voltage (CPU Vcore,12V, 5V, 3.3V, 1.35V)
Expansion Interface	1x mini-PCIe socket (support mSATA) 1x M.2 Type E slot

I/O INTERFACE

Super I/O	N/A
Audio	- High Definition Audio integrated in Intel® SoC - Supports Line-out on board pin header
Ethernet	- Single Intel® I210IT GbE controller - 1x RJ45 connectors on rear I/O
Serial Port	- 1x RS-232/422/485 with on board pin header - 1x RS-232 with on board pin header
USB	- 2x USB 3.0 ports on rear I/O - 2x USB 2.0 ports on board with pitch 2.0 header"
GPIO	8-bit configurable controlled by embedded controller

DISPLAY

Graphic Controller	- Intel® Gen 9 Graphics supports DirectX 12, OpenGL 4.2 / OpenCL 2.0 - Video decode HW acceleration support for H.264, H.265, MPEG2, VC-1/ WMV9, JPEG, VP8, and VP9"
Display Interface	- LVDS: dual channel 24bit LVDS on board connector, up to 1920x1200 - HDMI: on board connector, resolution up to 3840 x2160

Mechanical & Environment

Dimension	100(L) x 72(W) mm; 3.9"(L) x 2.8"(W)
Power Supply	DC 12V input
Environment	- Operation Temperature: 0°C to 60°C - Storage Temperature: -40°C to 85°C - Relative Humidity: 5% to 95%, non-condensing
MTBF	Over 120,000 hours at 40°C

AMI BIOS | LVDS | HDMI | 2 GbE | Mini-PCIe

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