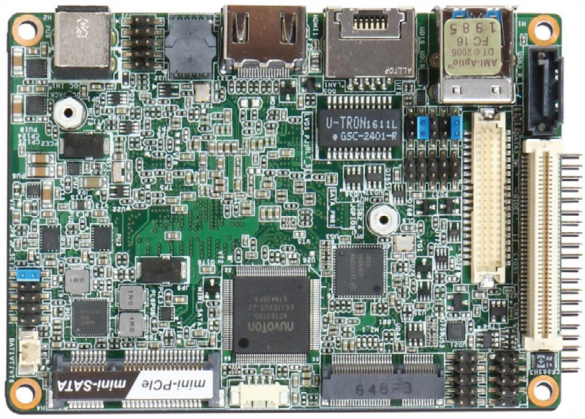
PICO-6260

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 USB 3.0 ports ensures fast data transmission with low-power consumption and support two com port to allow quick and flexible system expansions. Intel I211AT 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 SDRAM on one SODIMM slots, up to 8GB
- Supports HDMI, and Dual channel 24bit LVDS
- Supports Mini-PCIe / mSATA (Mini-PCIe slot), and M.2 Type E socket
- Supports 2*COM ports(COM1 supports RS-232/422/485,COM2 supports RS-232)

ORDERING GUIDE

AB1-XXXXZ	(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	-
BIOS	AMI uEFI BIOS
Memory	Support up to 8GB DDR3L 1333/1600/1866 MH/z SDRAM on one 204 pin SODIMM socket
Storage Devices	One SATA III port
Watchdog Timer	Programmable watchdog . mer, 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	One mini-PCIe socket (support mSATA)

I/O INTERFACE

Super I/O(Embedded Controller)	-
Audio	High Definition Audio integrated in Intel SoC Supports Line-out on board pin header
Ethernet	Dual Intel® I211AT 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
Keynoard & Mouse	-
GPIO	8-bit configurable controlled by embedded controller
Others	-

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 · 2 GbE · HDMI · Mini-PCIe · Microsoft Windows Embedded Partner · intel IoT Solutions Alliance · FC CE