

PICO511 NEW

Pico-ITX SBC with 7th Gen Intel® Core™ i7/i5/i3 and Celeron® Processor, LVDS and LAN

Features

- 7th gen Intel® Core™ i7/i5/i3 and Celeron® processor
- 1 DDR4-2133 SO-DIMM, up to 16GB
- 2 PCI Express Mini Cards
- Intel® AMT 11 supported



▲ Assembly view

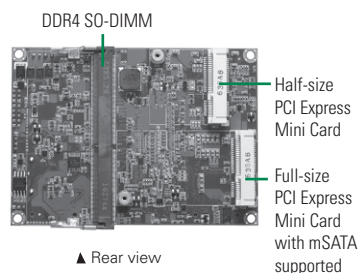
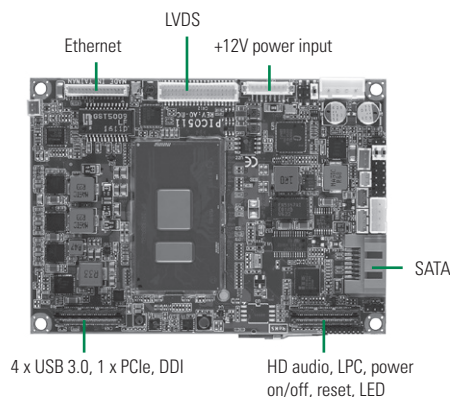


Core System

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|---------------------|---|
| CPU | 7th generation Intel® i7/i5/i3 & Celeron® processor onboard |
| System Memory | 1 x 260-pin DDR4-2133 SO-DIMM, up to 16GB |
| Chipset | N/A |
| BIOS | AMI |
| SSD | N/A |
| Watchdog Timer | 65535 levels, 1 ~ 65535 sec. |
| Expansion Interface | 1 x full-size PCI Express Mini Card with mSATA supported 1 x half-size PCI Express Mini Card 1 x PCIe1, 1 x LPC, 1 x DDI, 4 x USB 3.0, 1 x HD audio and 1 x SMBus (through expansion connector) |
| Battery Lithium | Lithium 3V /220 mAH |
| Power Input | 1 x 4-pin connector +12V DC-in only AT Auto Power On function supported |
| Power Requirements | i7-7600U: +12V @ 2.5A i5-7300U: +12V @ 2.3A i3-7100U: +12V @ 2.2A CEL-3965U: +12V @ 1.7A |
| Size | 100 x 72 mm |
| Board Thickness | 1.6 mm |
| Temperature | -20°C ~ +70°C (-4°F ~ +158°F), operation |
| Relative Humidity | 10% ~ 95% relative humidity, non-condensing |

I/O

| | |
|---------------------|---|
| MIO | N/A |
| SATA | 1 x SATA-600 |
| Hardware Monitoring | Detect CPU/system temperature, voltage and fan speed |
| Ethernet | 1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i219LM |
| Audio | N/A |
| USB | 1 x USB 2.0 |
| I2C | I2C Bus for advanced monitoring/control |
| SMBus | System Management Bus for advanced monitoring/control |
| Digital I/O | N/A |
| TPM | ST ST33TPM12LPC with TPM1.2 compliant |



▲ Rear view

Display

| | |
|-------------------|---|
| Chipset | Intel® HD graphics |
| Memory Size | Share system memory |
| Display Interface | 1 x LVDS; 18/24-bit single/dual channel |

Packing List

| | |
|-----------------|--|
| Standard | Quick installation guide, user's manual/utility CD and accessories |
|-----------------|--|

| Accessories | |
|--------------|-------------------|
| Part Number | Description |
| 8593A071010 | AX93A07 I/O board |
| 59403208000E | SATA cable |
| 594P8800600E | SATA power cable |
| 594P8802810E | USB cable |
| 59190400500E | Fan cable |
| 5078H511000E | Heatspreader |
| 5078H500100E | Cooler |

Ordering Information

| Standard | |
|---|---|
| PICO511LG-i7-7600U (P/N: E38H511103) | Pico-ITX SBC with Intel® Core™ i7-7600U, LVDS, 1 GbE LAN, 1 USB |
| PICO511LG-i5-7300U (P/N: E38H511102) | Pico-ITX SBC with Intel® Core™ i5-7300U, LVDS, 1 GbE LAN, 1 USB |
| PICO511LG-i3-7100U (P/N: E38H511101) | Pico-ITX SBC with Intel® Core™ i3-7100U, LVDS, 1 GbE LAN, 1 USB |
| PICO511LG-Celeron-3965U (P/N: E38H511100) | Pico-ITX SBC with Intel® Celeron® 3965U, LVDS, 1 GbE LAN, 1 USB |