

PICO500

Pico-ITX SBC with 6th Gen Intel® Core™ i7/i5/i3 & Celeron® Processors, HDMI/LVDS, LAN and Audio

Features

- 6th gen Intel® Core™ i7/i5/i3 & Celeron® processors (Skylake)
- 1 DDR4 SO-DIMM, up to 16GB
- 1 USB 2.0 and 1 Gigabit LAN ports
- PCI Express Mini Card with mSATA supported
- Intel® AMT 11 supported
- AXView 2.0 intelligent remote management software



Core System

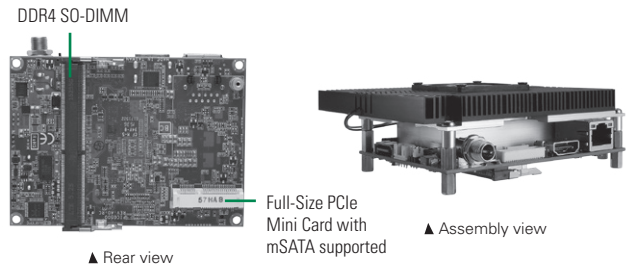
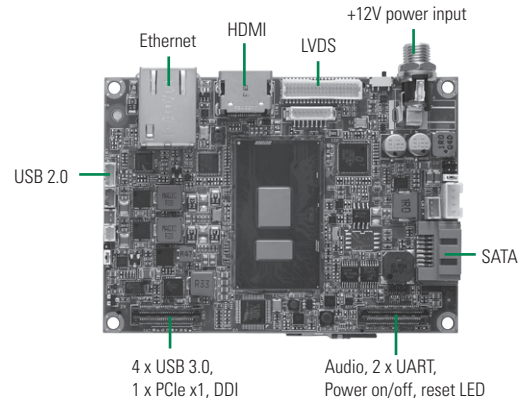
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|---------------------|--|
| CPU | 6th generation Intel® Core™ i7/i5/i3 & Celeron® processors onboard (Skylake) |
| System Memory | 1 x 260-pin DDR4-2133 SO-DIMM. up to 16GB |
| Chipset | SoC Integrated |
| BIOS | AMI |
| SSD | N/A |
| Watchdog Timer | 255 levels, 1 ~ 255 sec. |
| Expansion Interface | 1 x Full-size PCI Express Mini Card with mSATA 1 x PCIe x1, 2 x UART, 1 x DDI, 4 x USB 3.0, and 1 x HD audio (through expansion connector) |
| Battery Lithium | Lithium 3V/220mAH |
| Power Input | DC power jack connector +12V DC-in only AT Auto Power On function supported |
| Power Requirements | Intel® Core™ i7-6600U @ 2.6 GHz, 16GB DDR4 Max. RMS: +12V @ 2.3A Intel® Core™ i5-6300U @ 2.4 GHz, 16GB DDR4 Max. RMS: +12V @ 2.2A Intel® Core™ i3-6100U @ 2.3 GHz, 16GB DDR4 Max. RMS: +12V @ 1.9A Intel® Celeron® 3955U @ 2 GHz, 16GB DDR4 Max. RMS: +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 and voltage |
| Ethernet | 1 port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® i219LM |
| Audio | HD Codec audio as Mic-in/Line-out with Realtek ALC662 |
| USB | 1 x USB 2.0 |
| SMBus | System Management Bus for advanced monitoring/control |
| Digital I/O | N/A |

Display

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



Packing List

Standard

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

Accessories

| Part Number | Description | Qty |
|--------------|-------------------|-----|
| 59403208000E | SATA cable | 1 |
| 594P8800600E | SATA power cable | 1 |
| 594P8802800E | USB cable | 1 |
| 59190400500E | Fan cable | 1 |
| 5078H500100E | Heatsink with fan | 1 |
| 5078H500000E | Heatspreader | 1 |

Ordering Information

Standard

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|---|--|
| PICO500HGA-i7-6600U (P/N: E38H500102) | Pico-ITX SBC with Intel® Core™ i7-6600U (2.6-3.4 GHz, 4 MB cache, 15W), HDMI/LVDS, 1 GbE LAN and 1 USB 2.0 |
| PICO500HGA-i5-6300U (P/N: E38H500103) | Pico-ITX SBC with Intel® Core™ i5-6300U (2.4-3 GHz, 3 MB cache, 15 W), HDMI/LVDS, 1 GbE LAN and 1 USB 2.0 |
| PICO500HGA-i3-6100U (P/N: E38H500101) | Pico-ITX SBC with Intel® Core™ i3-6100U (2.3 GHz, 3 MB cache, 15 W), HDMI/LVDS, 1 GbE LAN and 1 USB 2.0 |
| PICO500HGA-Celeron® 3955U (P/N: E38H500100) | Pico-ITX SBC with Intel® Celeron® 3955U (2 GHz, 2 MB cache, 15 W), HDMI/LVDS, 1 GbE LAN and 1 USB 2.0 |

Optional

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|---------------------------|--|
| AX93275 (P/N: E393275102) | I/O board for 1 x RS-232/422/485, 1 x RS-232, 4 x USB 3.0, 1 x VGA, 1 x Audio |
| AX93276 (P/N: E393276102) | I/O board for 1 x RS-232/422/485, 1 x RS-232, 4 x USB 3.0, 1 x HDMI, 1 x Gigabit LAN |
| AX93292 (P/N: E393292100) | I/O board for 1 x RS-232/422/485, 1 x RS-232, 4 x USB 2.0, 1 x Audio |
| AX93299 (P/N: E393299100) | I/O board for 1 x RS-232/422/485, 1 x RS-232, 4 x USB 3.0, 1 x Audio |