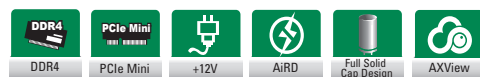


# PICO500

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

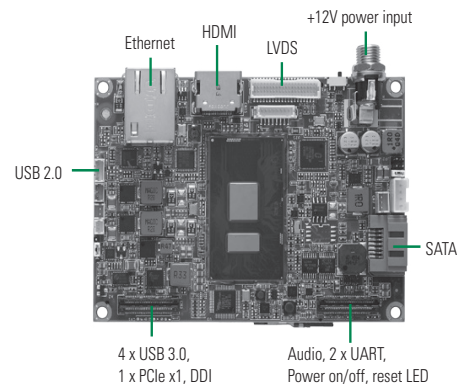
|                     |                                                                                                                                                                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>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<br>+12V DC-in only<br>AT Auto Power On function supported                                                                                                                                                                                                      |
| Power Requirements  | Intel® Core™ i7-6600U @ 2.6 GHz, 16GB DDR4<br>Max. RMS: +12V @ 2.3A<br>Intel® Core™ i5-6300U @ 2.4 GHz, 16GB DDR4<br>Max. RMS: +12V @ 2.2A<br>Intel® Core™ i3-6100U @ 2.3 GHz, 16GB DDR4<br>Max. RMS: +12V @ 1.9A<br>Intel® Celeron® 3955U @ 2 GHz, 16GB DDR4<br>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

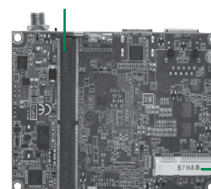
|                     |                                                                               |
|---------------------|-------------------------------------------------------------------------------|
| MIO                 | N/A                                                                           |
| 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<br>1 x HDMI |



DDR4 SO-DIMM



▲ Rear view



Full-Size PCIe Mini Card with mSATA supported

▲ Assembly view

Embedded SBCs > Pico-ITX

## 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

|                                             |                                                                                                            |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 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

|                           |                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------|
| 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                 |



## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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