PICO50R

Pico-ITX SBC with 6th Gen Intel® Core™ i7/i5/i3 and Celeron® Processor, DisplayPort, LVDS and 2 GbE LAN

Features

- 6th gen Intel® Core™ i7/i5/i3 and Celeron® processor
- 1 DDR4 SO-DIMM for up to 16GB of memory
- 2 GbE LAN
- M.2 Key E
- M.2 Key B
- Intel® AMT 11 supported

Core System

- CPU: 6th gen Intel® Core™ i7/i5/i3 and Celeron® processor onboard
- System Memory: 1 x 260-pin DDR4-2133 SO-DIMM, up to 16GB
- Chipset: SoC integrated
- BIOS: AMI
- SSD: Refer to ordering information
- Watchdog Timer: 65535 levels, 1 to 65536 sec.
- Expansion Interface: 1 x M.2 Key E (PCIe x1, USB 2.0 in 22x30)
- Battery Lithium: Lithium Lithium 3V/220 mAh
- Power Input: 2 x 2-pin connector, +12V DC-in only
- AT Auto Power On function supported
- Power Requirements:
  - Intel® i7-6600U @2.6 GHz: 8GB DDR4 max. RMS. +12V@2.8A
  - Intel® i5-6300U @2.4 GHz: 8GB DDR4 max. RMS. +12V@2.5A
  - Intel® i3-6100U @2.3 GHz: 8GB DDR4 max. RMS. +12V@2.3A
  - Intel® Celeron® 3955U @2.0 GHz: 8GB DDR4 max. RMS. +12V@1.9A
- Dimensions: 100 x 72 mm
- Board Thickness: 1.6 mm
- Operating Temperature: -20°C to +60°C (-4°F to 140°F)
- Humidity: 10% to 95% relative humidity, non-condensing

I/O

- SATA: Refer to ordering information
- Hardware Monitoring: Detect CPU/system temperature, voltage and fan speed
- Ethernet: 1 x 1Gbps Ethernet, supports Wake-on-LAN, PXE Boot ROM
- Audio: Refer to ordering information
- USB: 2 x USB 2.0
- Serial: 2 x RS232/422/485
- TPM: N/A
- SMBus: Yes, compatible with II²C
- Digital I/O: 4-channel in/out programmable

Display

- Chipset: Intel® HD Graphics
- Memory Size: Share system memory
- Display Interface:
  - 1 x DisplayPort
  - 1 x LVDS, 18/24-bit single/dual channel
- DisplayPort: +12V power input
- M.2 Key E
- LVDS
- DDR4 SO-DIMM

Packing List

- Accessories
  - 594H3160400E Power cable, L=100 mm
  - 59128H51R000E Heatspreader
  - 594H3160400E Power cable, L=100 mm
  - 50966124050E Adapter 12V 60W FSP060-DHAN3 with screw
  - 59380880250E COM port cable DB9—9x1P, P=125 mm, L=250 mm
  - 594H3180400E Power cable, L=100 mm
  - 594H3180400E Power cable, L=100 mm

Ordering Information

- Standard
  - Model: PICO50RPGG-i7-6600U (P/N: E38H50R100)
  - SSD: 1 x M.2 Key B (SATA, USB 2.0, PCIe x2 optional) in 22x42
  - SATA: N/A
  - Audio: N/A
  - Fan: No
- Optional
  - Model: PICO50RPGG-Celeron-3955U w/fan (P/N: E38H50R108)
  - SSD: N/A
  - SATA: 1 x SATA-600 Mic-in/Line-out
  - Audio: Yes
  - Fan: Yes

* All specifications and photos are subject to change without notice.