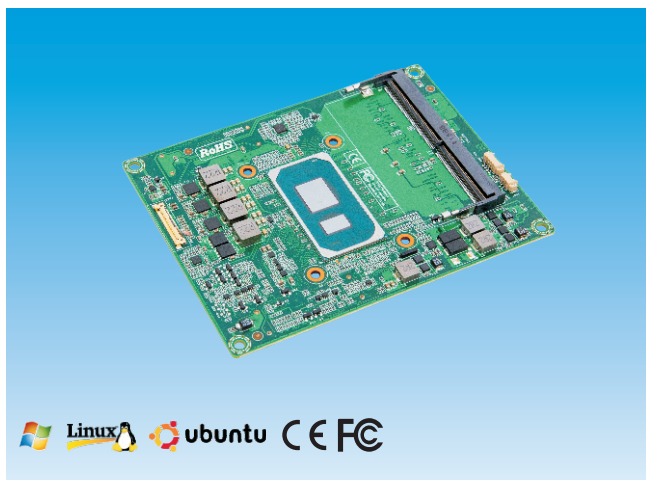


Intel Tiger Lake-U SoC Single Board Computer



Feature

- 11th Gen. Intel® Core™ Processor U-Series
- COM Express Compact Module Type
- Dual channel (Non-ECC) with SO-DIMM
- Dual Independent display with DP
- High speed I/O: 2 PCIe x4 Gen4, 2 PCIe x1 Gen3, , 2 PCIe x2 Gen2
- Intel® Iris® Xe Graphics/Intel® UHD Graphics

Specifications

| | | RXE-6100 Series | | | | | | |
|------------------|-----------------------|--|------------|------------|---------|------------|------------|------------|
| Processor System | CPU | i7-1185G7E | i5-1145G7E | i3-1115G4E | 6305E | i7-1185GRE | i5-1145GRE | i3-1115GRE |
| | Base Frequency | 1.8GHz | 1.5GHz | 2.2GHz | 1.8GHz | 1.8GHz | 1.5GHz | 2.2G |
| | Turbo Frequency | 4.4GHz | 4.1GHz | 3.9GHz | N/A | 4.4GHz | 4.1GHz | 3.9GHz |
| | Cores | 4 | 4 | 2 | 2 | 4 | 4 | 2 |
| | Cache | 12 MB | 8 MB | 6 MB | 4 MB | 12 MB | 8 MB | 6 MB |
| | CPU TDP | 15W | 15W | 15W | 15W | 15W | 15W | 15W |
| | Configurable TDP-up | 28W | 28W | 28W | N/A | 28W | 28W | 28W |
| | Configurable TDP-down | 12W | 12W | 12W | N/A | 12W | 12W | 12W |
| Memory | Technology | DDR4, Dual-channel memory, up to 3200 MT/s | | | | | | |
| | Max. Capacity | 32GB | | | | | | |
| | Socket | SODIMM Socket | | | | | | |
| Graphics | Controller | Intel® Iris® Xe Graphics/Intel® UHD Graphics | | | | | | |
| | Max Dynamic Frequency | 1.35GHz | 1.30GHz | 1.25GHz | 1.25GHz | 1.35GHz | 1.30GHz | 1.25GHz |
| | 2D&3D/HW Acceleration | HW Encode: Supports AVC, MPEG-2, HEVC, and VP9. HW Decode: Supports Direct3D* 9 Video API (DXVA2), Direct3D12 Video API | | | | | | |
| Display | DP | DisplayPort 1.4: 4096x2304 60Hz | | | | | | |
| | Multiple Display | Dual displays with each display combination | | | | | | |
| Expansion CONN1 | Management | 1 | | | | | | |
| | DP++ | 1 | | | | | | |
| | USB3.0/PCIe x2 | 1 | | | | | | |
| | SATA/PCIe x1 | 1 | | | | | | |
| | PCIe x4 | 1 | | | | | | |
| | USB2.0 | 3 | | | | | | |
| | LPC/eSPI | 1 | | | | | | |
| | Legacy IO | 1 | | | | | | |
| Power +12V | 1 | | | | | | | |
| Expansion CONN2 | DP++ | 1 | | | | | | |
| | USB3.0/PCIe x2 | 1 | | | | | | |
| | SATA/PCIe x1 | 1 | | | | | | |
| | SGMII/PCIe x4 | 1 | | | | | | |
| | USB2.0 | 5 | | | | | | |
| | HAD | 1 | | | | | | |
| | Legacy IO | 1 | | | | | | |
| | Power +12V | 1 | | | | | | |
| OS | Microsoft Windows | Windows 10 IoT LTSC | | | | | | |
| | Linux | Support | | | | | | |
| Size | LxW | 125 x 95mm | | | | | | |
| Environment | Operating Temperature | 0°C~60°C | | | | | | |
| | Storage Temperature | -40°C~85°C | | | | | | |
| | Relative Humidity | 95% @ 40°C (non-condensing) | | | | | | |