

# AceMax® AXG-T11IRG

High-throughput GPU Computing Edge AI System supporting Intel® Core™ Processors Series 2 & 14th/13th/12th-Gen Core™ CPU and up to 450W GPU Card



## Features

- Intel® Core Processors Series 2 & 14th/13th/12th-Gen Core CPU with R680E chipset
- Support NVIDIA® GPU card up to 450W
- Four hot-swappable 2.5" SSD
- 8~48V wide-range DC-in w/ built-in Ignition power control
- Comply with MIL-STD 810H

## Specifications

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| Processor Support   | Intel® Core™ Processors Series 2 and Intel® 14th/13th/12th Gen Core™ CPUs<br>TDP up to 65W<br># of Cores: Up to 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| System              | Chipset: R680E<br>Memory: 2 x SO-DIMM, DDR5 up to 4800MHz, ECC/ non ECC, max. 64GB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| External Interfaces | Display:<br><ul style="list-style-type: none"> <li>• 2x HDMI 1.4, supports up to 4096 x 2160 @ 30 Hz</li> <li>• 2x DP 1.2, supports up to 4096 x 2160 @ 60 Hz, DP++</li> </ul> Ethernet:<br><ul style="list-style-type: none"> <li>• 1x Intel® i219-LM (1 GbE), support PXE boot, RJ45, wake on Lan</li> <li>• 1x Intel® i226-IT (2.5 GbE), support PXE boot, RJ45, wake on Lan</li> </ul> AMT: Supports Intel vPro/AMT<br>USB:<br><ul style="list-style-type: none"> <li>• 1x USB 3.2 Gen2x2 (20G), type C</li> <li>• 4x USB 3.2 Gen2x1 (10G), type A</li> <li>• 2x USB 3.2 Gen1 (5G), type A</li> <li>• 2x USB 2.0, type A</li> </ul> Audio: Mic in; Line out<br>COM:<br><ul style="list-style-type: none"> <li>• 2x COM: RS-232/422/485, DB9</li> <li>• 4x COM: RS-232, DB9; Punch-out port (optional)</li> </ul> DIO: 4x DI, 4 x DO support isolation (optional)<br>LED: LED Indicators x 4 (by onboard SMD shows PWR/ storage (HDD)/ watch dog timer(WDT)/ ignition(IGN)<br>Antenna: 4x cellular; 2x Wi-Fi |
| Expansions          | PCIe: 5 x PCIe slots (2 configuration: 1 x PCIe Gen4 x16 + 3 x PCIe Gen4 x4 or 2 x PCIe Gen4 x8 + 3 x PCIe Gen4 x4, auto detect)<br>Mini PCIe: 1 x Mini PCIe socket (support mSATA or cellular module) support single nano SIM<br>M.2 M Key: 1 x M.2 2280 M-key socket (support NVMe PCIe x4)<br>M.2 E Key: 1 x M.2 2230 E-key socket (support CNVi , Wi Fi/BT module)<br>M.2 B Key: 1 x 3042/3052 (support M.2 5G/ 4G module/ UDR GPS module) support dual nano SIM<br>2.5" SATA: 4 x 2.5" slots (hot-swappable, supports SATA 3.0, 7~7.5mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Wireless            | Wi-Fi: Wi-Fi 5, Wi-Fi 6/6E<br>Cellular: 4G LTE, 5G NR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Specifications

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| <b>Power Supply</b>          | <p>System Power: 2 x 4 pin pluggable terminal block for 8-48V DC input</p> <p>Power related button:</p> <ul style="list-style-type: none"> <li>• Power button</li> <li>• Reset pinhole</li> <li>• Header for remote power button</li> </ul> <p>Power Supply: 960W (Optional)</p> <p>Type: ATX/AT/Ignition</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Mechanical</b>            | <p>Mounting: Damping bracket mounting kit</p> <p>GPU holder: Card holder (optional)</p> <p>Dimension: 225 (H) x 221 (W) x 443 (D) mm</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Operating Environment</b> | <p>Operating Temp:</p> <ul style="list-style-type: none"> <li>• -20~60°C with 35W CPU (or CPU configured as 35W TDP), and all module operating (industrial parts)</li> <li>• -20~55°C with 65W CPU, and all module operating (industrial parts)</li> <li>• 0~40°C with all module operating (commercial parts)</li> </ul> <p>Storage Temp: -40~85°C</p> <p>Relative Humidity: 10 to 95% (non-condensing)</p> <p>EMC: CE, FCC VCCI, BSMI, KCC, UKCA</p> <p>Safety: CB, BSMI</p> <p>Vibration:</p> <ul style="list-style-type: none"> <li>• Operating: MIL-STD-810H, Method 514.8, 5-500 Hz, Table 514.8C-I</li> </ul> <p>Shock:</p> <ul style="list-style-type: none"> <li>• Operating: MIL-STD-810H, Method 516.8, Procedures I, Table 516.8-IV (20G/11ms)</li> </ul> <p>Green: GA (RoHS)</p> |
| <b>Others</b>                | <p>Watch dog timer: HW WDT Enable (WDT_EN)</p> <p>OS: Windows® 11 IoT Enterprise, Windows® 10 IoT Enterprise, Linux</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

