

Mix & Match EDGEBoost Nodes Performance Accelerators Upgrade



The AI Edge Inference Computers support modular add-on nodes through a two-piece modular design that allows the EDGEBoost Nodes to easily attach to the lower portion of the RCO-6000-(CFL/CML/ADL) for more performance accelerators.

| Model | PCI/PCIe | SATA Boost | NVMe Boost | GPU Boost |
|-------------------------------|-------------|------------|-------------|-----------|
| RCO-6000-ADL Alder Lake S | 2C | 2C-4B7M | 2E-4N (7mm) | 2C-2PWR |
| | | 2C-2B15M | 4NS (15mm) | 20-2060S |
| | | | 4NH (15mm) | 2N-2060S |
| | | | 8NS (7mm) | 4N-2060S |
| Model | PCIe/PCI | SATA Boost | NVMe Boost | GPU Boost |
| RCO-6000-CML Comet Lake S | 2C | 2C-4B7M | 2E-4N (7mm) | 2C-2PWR |
| | | 2C-2B15M | 4NS (15mm) | 20-2060S |
| | | | 4NH (15mm) | 2N-2060S |
| | | | 8NS (7mm) | 4N-2060S |
| Model | NVMe Boost | | GPU Boost | |
| RCO-6000-CFL Coffee Lake R | 2E-4N (7mm) | | 2C-2PWR | |
| | 4NS (15mm) | | 2N-2060S | |
| | 4NH (15mm) | | 4N-2060S | |
| | 8NS (7mm) | | | |

* PCI/PCIe and SATA Boost modules have optional 2C, 2E or 2I configurations:




- 2C: 1x PCIe x16, 1x PCI
- 2E: 2x PCIe x16 (8x Lane)
- 2I : 2x PCI

MIX & MATCH EDGEBoost Nodes

EDGEBoost nodes are highly configurable performance boosters designed to meet the demand for complex applications that require powerful data processing, high-speed data storage, and inference capabilities at the edge. EDGEBoost nodes attach to the lower portion of the AI Edge Inference Computers, providing SATA, NVMe storage, and GPU acceleration for complex edge workloads.

Here are the different EDGEBoost Nodes C&T offers:

Top Industrial Fanless PC:

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|  <p>RCO-6000-CFL Series</p> <ul style="list-style-type: none"> • 2x Hotswap SATA SSD (7mm) • 2x Internal SATA SSD (9mm) • 1x M.2 M Key 2280 |  <p>RCO-6000-CML Series</p> <ul style="list-style-type: none"> • 2x Hotswap SATA SSD (7mm) • 1x Internal SATA SSD (9mm) • 1x M.2 E Key 2230 |  <p>RCO-6000-ADL Series</p> <ul style="list-style-type: none"> • 2x Hotswap SATA SSD (7mm) • 1x Internal SATA SSD (9mm) • 1x M.2 B Key 2242 |
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Bottom Modular "EDGEboost Nodes" Configurations:

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|--|---|
|  <p>2C</p> <ul style="list-style-type: none"> • 1x PCI and 1x PCIe x16 Expansion Slots • Fanless Design |  <p>2C-2PWR</p> <ul style="list-style-type: none"> • 1x PCIe x16 for GPU Expansion • Dedicated Wide-Voltage 12-48VDC for GPU • Highspeed Exhaust Fan |
|  <p>2C-2B15M</p> <ul style="list-style-type: none"> • 1x PCI, 1x PCIe x16 (8-lane) • 2x Hotswap 2.5" SATA SSD (15mm) • Software RAID 0, 1, 5, 10 • Highspeed Exhaust Fan |  <p>20-2060S</p> <ul style="list-style-type: none"> • 1x Nvidia RTX 2060 • Dedicated Wide Voltage 12-48VDC for GPU • Highspeed Exhaust Fan |
|  <p>2C-4B7M</p> <ul style="list-style-type: none"> • 1x PCI, 1x PCIe x16 (8-lane) • 4x Hotswap 2.5" SATA SSD (7mm) • Software RAID 0, 1, 5, 10 • Highspeed Exhaust Fan |  <p>8NS (7mm)</p> <ul style="list-style-type: none"> • 1x PCIe x4 (1-lane) • 8x Hotswap NVMe SSD • Software RAID 0, 1, 5, 10 • Hot-Swappable Smart Fan |
|  <p>4NH (15mm)</p> <ul style="list-style-type: none"> • 1x PCIe x8 (for RAID Card) • 4x Hotswap NVMe SSD • Hardware RAID 0, 1, 5, 6, 10 • Hot-Swappable Smart Fan |  <p>4NS (15mm)</p> <ul style="list-style-type: none"> • 1x PCIe x4 (1-lane) • 4x Hotswap NVMe SSD • Software RAID 0, 1, 5, 10 • Hot-Swappable Smart Fan |
|  <p>2N-2060S</p> <ul style="list-style-type: none"> • 1x Nvidia RTX 2060 • 2x Hotswap NVMe SSD (15mm) • 1x PCIe x4 (1-lane) • Hot-Swappable Smart Fan |  <p>4N-2060S</p> <ul style="list-style-type: none"> • 1x Nvidia RTX 2060 • 4x Hotswap NVMe SSD (7mm) • 1x PCIe x4 (1-lane) • Hot-Swappable Smart Fan |

