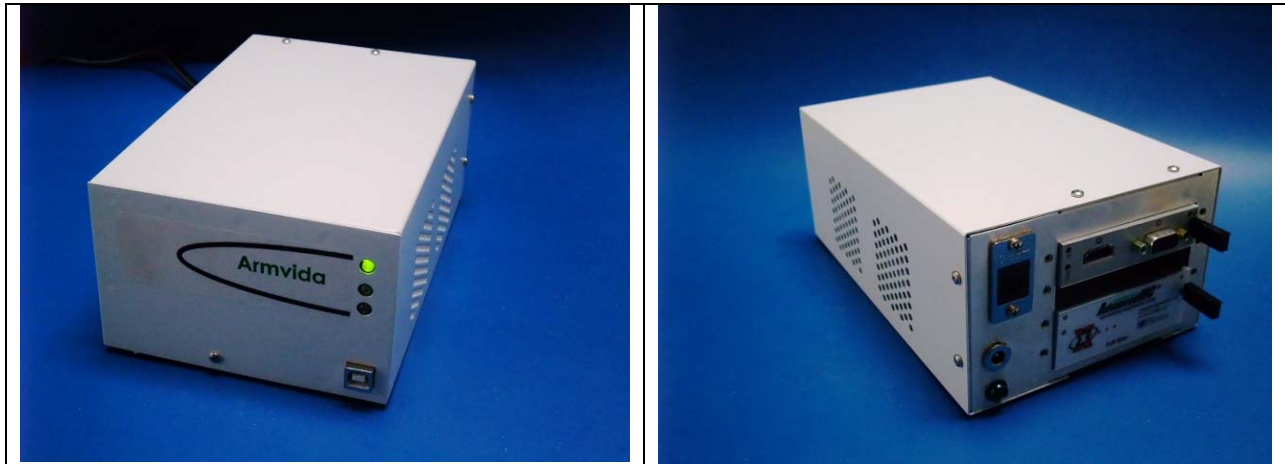


# Armvida

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# EDGE2000

Two Slot MicroTCA Platform



**The EDGE2000 is a two slot MicroTCA compliant platform that can support one or two single-width, full size, Advanced Mezzanine Cards (AMC's). TheEDGE2000 is ideally suited for space constrained environments and the Enterprise. Maintaining all the value that MicroTCA specifies, the EDGE2000 is a price aggressive offering that has the following attributes:**

- **MicroTCA compliance**
- **High Availability Design**
- **Slot to slot PCI-Express® connectivity**
- **GigE internal switching**
- **Slot to slot SATA/SAS connectivity**
- **Management bus messaging control (IPMI)**

## **Additional Capabilities:**

- **Thermal Management – Cooling Unit (CU) Integration**
- **MicroTCA Carrier Hub (MCH) Integration**
- **Power Module (PM) Integration**
- **Support for Full size and Mid size AMC's**
- **Support for one or two AMC's**
- **Power sourcing for two – forty watt AMC's**

## Technical Specifications

### MicroTCA Compliance

- Fully compliant with:
  - MicroTCA.0
  - AMC.0
  - AMC.1
  - AMC.2
  - AMC.3

### Integrated Central Processor

- Provides IPMI messaging support and MCH lane management
- Fit into Element Management System with IP

### Power

- AC Power Brick
  - Input
    - 110/220VAC
    - 50 to 60 Hz
  - Output
    - 19VDC, 100W
- Enclosure
  - 15-28VDC
  - Up to 120W
  - Up to 40W per slot payload

### Status Indications

- LED status
  - System/Slot activity
  - Ethernet activity

### Configuration & Management Interface

- USB interface for local management, firmware upgrade & configuration (EDGE\_CONFIG)

### Simple Network Management Interface (SNMP)

- Remote management / configuration via IP

### Remote Management Control Protocol (RMCP)

### High Speed Access

- GigE Uplink port
- Internal GigE switching
- Connectivity via port 0 & 1 of each slot

### EMI / Grounding

- Easy ground access point

### Applications

- Designed for use in:
  - Enterprise
  - Commercial / Corporate
  - Medical / Remote Monitoring
  - Telecommunications
  - Military
  - Aerospace / Defense
  - \* **Shelf Mountable with bracket (5 Units in 3U)**

### Mechanical

- Weight – 1 lb 8 ozs.
- Height - 82mm (3.25")
- Depth - 203mm (8.0")
- Width - 133mm (5.25")

### Environmental

- Operating Temperature Range
  - 5C to 55C
- Relative Humidity 5 – 90% non-condensing
- Storage Temperature Range
  - -40C to 74C

### Regulatory

- Safety
  - CE Certification
  - UL/cUL 60950
  - EN/IEC 60950
- Emissions
  - FCC Class A
  - EN-61000-3-x
  - EN-61000-4-x

## EDGE2000 Port Map

| <b>PORT NUMBER / NAME</b> | <b>FUNCTION/OPERATION</b>                                    |
|---------------------------|--|
|                           |  |
| CLK1/TCLKA                | 19.44MHz, 8 kHz, or TCLKB of the other slot, or user config. |
| CLK2/TCLKB                | Clock input, optionally drives TCLKA of the other slot       |
| TCLKC                     | Passive connection to TCLKD of the other slot                |
| TCLKD                     | Passive connection to TCLKC of the other slot                |
| CLK3/FCLKA                | 50MHz or 100MHz (PCI-Express compliant or other use)         |
| 0                         | AMC.2 1000 BASE-BX   |
| 1                         | AMC.2 1000 BASE-BX   |
| 2                         | AMC.3 SATA/SAS   |
| 3                         | AMC.3 SATA/SAS   |
| 4                         | AMC.1 PCI-Express / AMC.4 SRIO / AMC.2 10GBASE-BX            |
| 5                         | AMC.1 PCI-Express / AMC.4 SRIO / AMC.2 10GBASE-BX            |
| 6                         | AMC.1 PCI-Express / AMC.4 SRIO / AMC.2 10GBASE-BX            |
| 7                         | AMC.1 PCI-Express / AMC.4 SRIO / AMC.2 10GBASE-BX            |
| 8                         | AMC.4 SRIO / AMC.2 10G BASE-BX                               |
| 9                         | AMC.4 SRIO / AMC.2 10G BASE-BX                               |
| 10                        | AMC.4 SRIO / AMC.2 10G BASE-BX                               |
| 11                        | AMC.4 SRIO / AMC.2 10G BASE-BX                               |
| 12                        | SLOT 1 <-> SLOT 2 CONNECTIVITY                               |
| 13                        | SLOT 1 <-> SLOT 2 CONNECTIVITY                               |
| 14                        | SLOT 1 <-> SLOT 2 CONNECTIVITY                               |
| 15                        | SLOT 1 <-> SLOT 2 CONNECTIVITY                               |
| 16/CLK                    | SLOT 1 <-> SLOT 2 CONNECTIVITY                               |
| 17                        | SLOT 1 <-> SLOT 2 CONNECTIVITY                               |
| 18                        | SLOT 1 <-> SLOT 2 CONNECTIVITY                               |
| 19                        | SLOT 1 <-> SLOT 2 CONNECTIVITY                               |
| 20                        | SLOT 1 <-> SLOT 2 CONNECTIVITY                               |