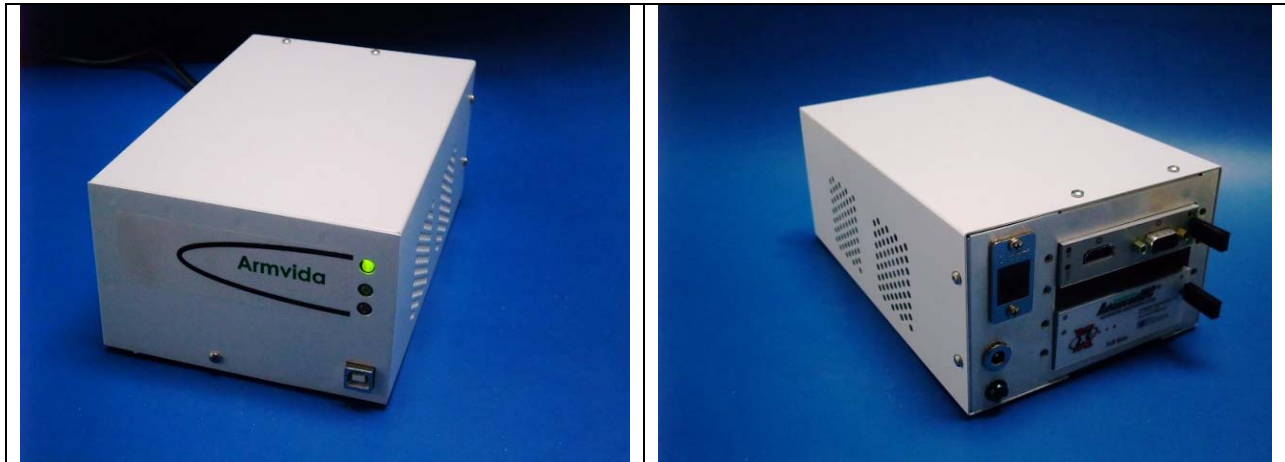


Armvida

40 Richards Avenue
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Norwalk, CT 06854

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 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")
- (2) 36 CFM (.54 Inch-H20) Fans

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

PORT NUMBER / NAME	FUNCTION/OPERATION
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