kontron

» OM6061 «



µTCA™

OM6061 1U MicroTCA™ platform for carrier environments

- » Highly flexible 1U platform for Central Office and service aggregation point applications
- » Fully pre-tested with Kontron storage, processor, and network processor AdvancedMC modules
- » Cost-efficient MCH module and six (6) AMC slots
- » Front-to-back cooling and integrated 360W -48V or -60V DC power supply
- » Designed for NEBS compliance

Product Overview

Featuring an 8-fan front-to-back cooling set-up, an integrated 360W -48V or -60V DC power supply and a low cost MCH module within in a 1U, 12.5" deep rack-mountable platform, the OM6061 offers six mid-size AdvancedMC slots for multiple system configurations.

The OM6061 is designed to meet NEBS and has been fully pre-tested with the Kontron AM4510 (storage), AM4010 (processor), and AM4204 (network processor) AdvancedMC modules.

The three remaining slots are optionally open for a redundant AMC configuration or additional AMC modules.

The OM6061 is ideal for a wide assortment of Central Office and service aggregation point applications, ranging from SIP Servers, SSL Offload, and content-aware processing and QoS over Ethernet.

Upon customer request, equipment vendors may also consider the OM6061 populated with up to six AM4220 10 GbE Cavium-based AMC modules for a sustained traffic of 120 Gb/s.

Moreover, this platform features a high speed backplane and can already support next generation AMC modules with PCIe Gen2 and XAUI.

Hardware Features

OM6061 Base Platform	1U Chassis, 12.5" deep rack-mountable , integrated 360W -48V or -60V DC power supply, 6 AMC slots + 1 MCH
MCH option	Unmanaged switch and cost-efficient MCH module with one GbE uplink on front, and on the edge connector 12x GbE for AMCs (Fabric [A]).
AMC Options	
Network Processor AMC	AM42xx series of AdvancedMC GbE/10GbE Intelligent IO modules based on the next-generation Cavium OCTEON multi-core packet processor.
Processor AMC	AM40xx Mid-size processor AMC module with Intel Processor
Storage AMC	AM45xx SATA/SSD storage AMC modules
Physical Dimensions	1U height; 19" EIA rackmount, 12.5" Shallow depth
	6 Mid-Size AMC slots (options for Double-Wide AMCs); 8 fans and removable filter tray
Standards Compliancy	AMC.0 R2, AMC.1 PCIe, AMC.2 10/1 GbE, AMC.3 Storage
	MicroTCA compliant
Environmental and Regulatory	Radiated/conducted emission. EN 550022 CLASS A
	Radiated/conducted emission. EN 61000-4-3
	Electrostatic discharge. EN 61000-4-2. +/- 4 KV
	Electrical fast transients. EN 61000-4-4. 500 V, 5/50 nS, 5 kHz. Applicable to cables longer than 3 m.
	RF conducted immunity. EN 61000-4-3. 150 kHz to 80 MHz; System shall be 100 % RoHS compliant.
GR 63 Physical protection	Operating temperature and humidity: -5 to 55* C, 5% to 90% RH. *with appropriate validation
Altitude	-60m to 1800m @ 40 C (104 F); 1800m to 4000m @ 30 C (86 F)

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