

3U 12-Slot MicroTCA System

MTCA-3U2A/ MTCA-3U2D

Shelf Overview

- Form factor: 3U height, 19"
- MTCA-3U2x-1:** Provide 10 AMC Single Full-size slots (or 4 Double Full-size + 2 Single Full-size slots)
- MTCA-3U2x-2:** Provide 10 AMC Single Full-size slots
- Provide 2 MCH slots (Single Full-size)

Backplane

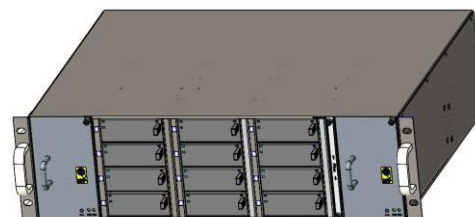
- Fabric interface with differential rate up to 3.125Gbps、6.25Gbps、10.3125Gbps
- Synchronization clock provided in accordance with AMC specification
- IPMB for shelf management communications

Shelf Management

- Radial topology for the IPMB communication
- Support standard IPMI shelf management
- Support customized I2C shelf management

Power and Cooling

- AC input, two 2000W or 800w AC/DC power modules provided
- DC input, two 2000W or 800w DC power modules provided
- 2 hot-swap Fan Trays for cooling
- Air flow from right to left

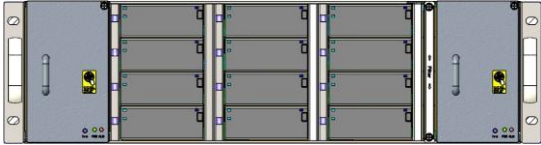
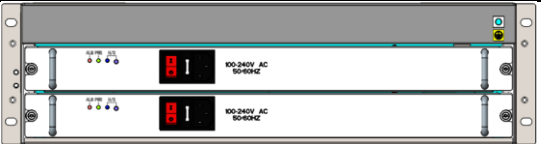
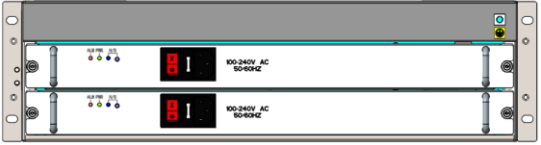
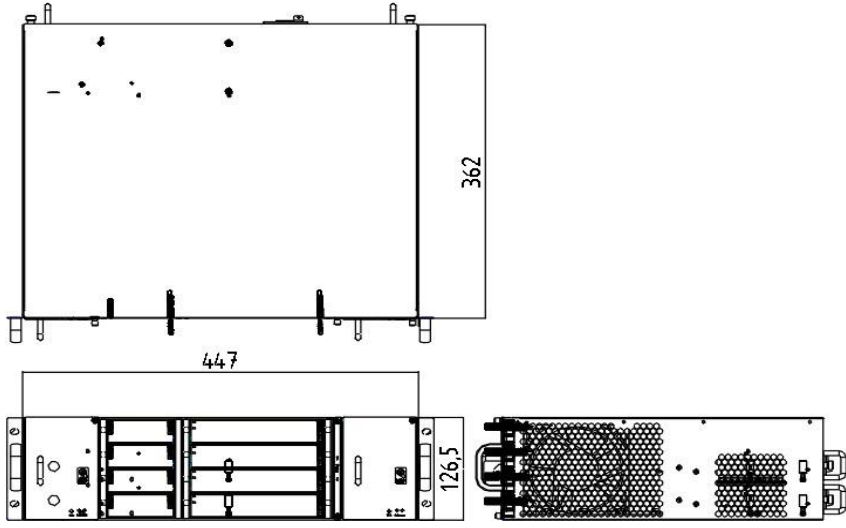


MTCA-3U2A-1/ MTCA-3U2D-1 3U 12-Slot MicroTCA

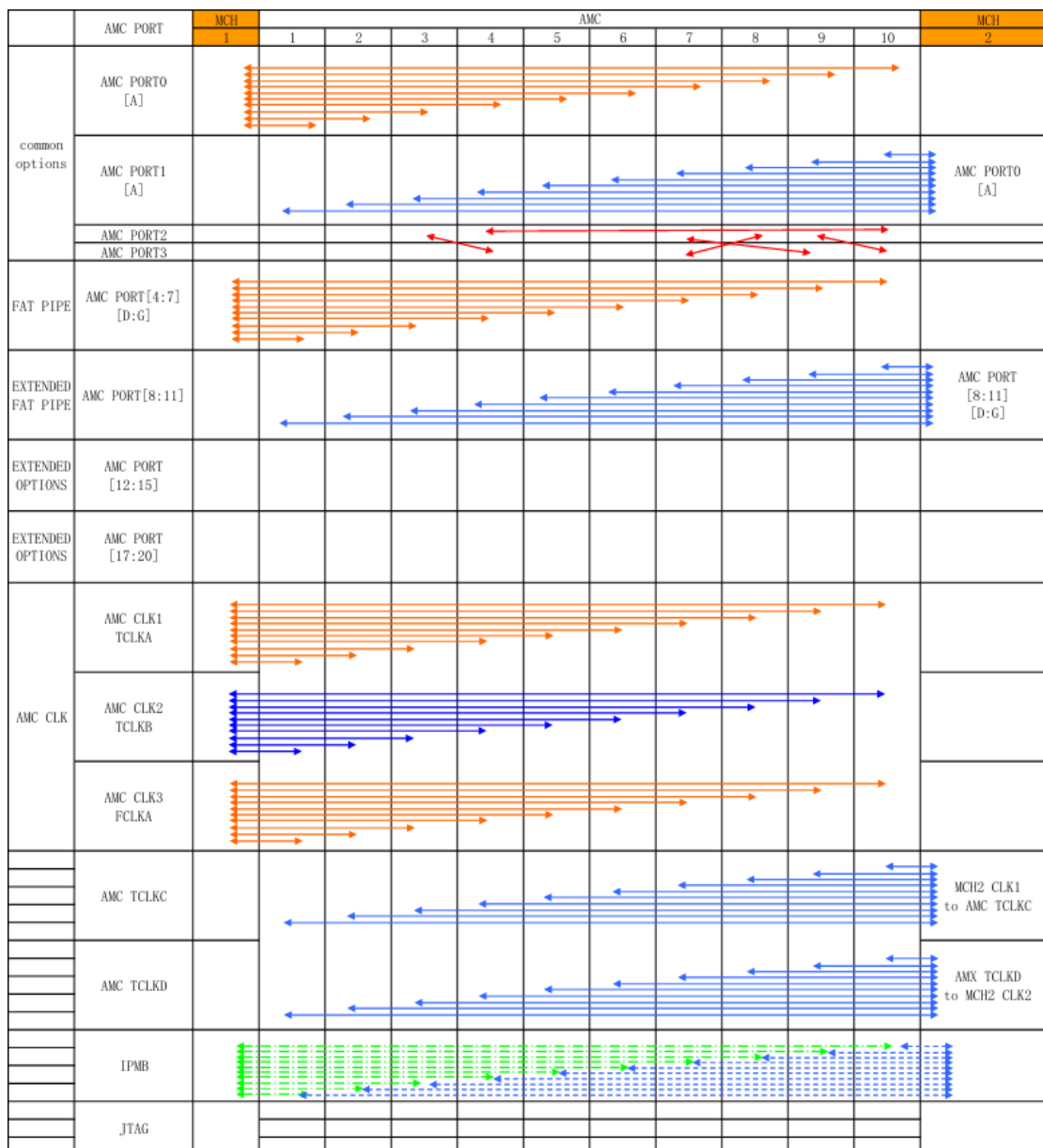
MTCA-3U2A-2/ MTCA-3U2D-2 3U 12-Slot MicroTCA

System is designed based on MicroTCA specifications, which is ideal for the high-density AMC applications as well the hardware platform migration.

Product Specifications

Appearance	 	
MTCA-3U2x-1		
MTCA-3U2x-2		
Dimensions		

Backplane
Topology



Power
Input

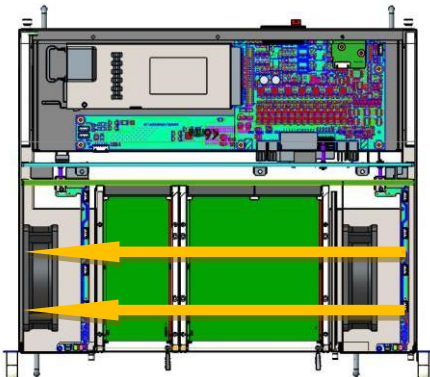


AC Input (Standard configuration) :

- Two 1+1 redundant 220V AC input
- Two 1+1 redundant hot-swap Power Module (800W or 2000W AC/DC)
- 800W Power Module supports AC input of 100~240V, 2000W Power Module supports AC input of 90~264V
- Power Monitor functionality

DC Input (Standard configuration) :

- Two 1+1 redundant 48V DC input
- Two 1+1 redundant hot-swap Power Module (800W or 2000W DC)
- 800W Power Module supports DC input of -40~ -72V, 2000W Power Module supports DC input of -40~ -72V or 40~60V
- Power Monitor functionality

Cooling		● 2 hot-swap Fan Trays for cooling ● Air flow from right to left ● Fan Tray management interface support to standard MicroTCA specification (default configuration) ● Fan Tray management interface also support to customized I2C management interface (Optional configuration)
Shelf Management	● The 3U MicroTCA System provide 2 MCH slots, 2 intelligent Power Modules FRU, 2 intelligent Fan Trays FRU ● Standard MCH management ---Compliant to NAT MCH ● Standard MCH management ---Provide customized IPMI extension interfaces according to the application requirement ● Customized MCH management ---Provide Self-defined I2C management interfaces ● Customized MCH management ---Provide AMC auto power on functionality without IPMI message control	
Environment	● Operating Temperature: 0° C to 50° C, Storage Temperature: -20° C to 80° C ● Operating Humidity: 5% to 95% R.H non-condensing, Storage Humidity: 5% to 95% R.H	
Standard	● RoHS, Designed for CE, FCC, NEBS Level 3 ● Compliant to PICMG MicroTCA Base Specification	

Ordering Information

Product Class	Product Code	Description
MTCA-3U2A-1	MTCA-3U2A-1-800	3U 12-Slot MicroTCA System, Two 220V AC Power Input, Two 800W Power Module (1+1Redundancy), Standard MicroTCA IPMI Monitoring
MTCA-3U2A-1	MTCA-3U2A-1-2000	3U 12-Slot MicroTCA System, Two 220V AC Power Input, Two 2000W Power Module (1+1Redundancy), Standard MicroTCA IPMI Monitoring
MTCA-3U2D-1	MTCA-3U2D-1-800	3U 12-Slot MicroTCA System, Two 48V DC Power Input, Two 800W Power Module (1+1Redundancy), Standard MicroTCA IPMI Monitoring
MTCA-3U2D-1	MTCA-3U2D-1-2000	3U 12-Slot MicroTCA System, Two 48V DC Power Input, Two 2000W Power Module (1+1Redundancy), Standard MicroTCA IPMI Monitoring
MTCA-3U2A-2	MTCA-3U2A-2-800	3U 12-Slot MicroTCA System, Two 220V AC Power Input, Two 800W Power Module (1+1Redundancy), Standard MicroTCA IPMI Monitoring
MTCA-3U2A-2	MTCA-3U2A-2-2000	3U 12-Slot MicroTCA System, Two 220V AC Power Input, Two 2000W Power Module (1+1Redundancy), Standard MicroTCA IPMI Monitoring
MTCA-3U2D-2	MTCA-3U2D-2-800	3U 12-Slot MicroTCA System, Two 48V DC Power Input, Two 800W Power Module (1+1Redundancy), Standard MicroTCA IPMI Monitoring
MTCA-3U2D-2	MTCA-3U2D-2-2000	3U 12-Slot MicroTCA System, Two 48V DC Power Input, Two 2000W Power Module (1+1Redundancy), Standard MicroTCA IPMI Monitoring

Remark: Please specify the Product Code clearly in the order.