ATCS-3200-02 Series 3U 2 Slot ATCA Chassis System

ATCS-3200-02 series 3U 2slots ATCA chassis system based on Advanced Telecom Computing Architecture is an ideal hardware platform for carrier-grade low capacity telecommunication and network equipment.

Key Features

- 19″ rackmount with 3U height
- Rear transition module (RTM) support
- Two Shelf Management Module slots(Optional)
- Right-to-Left Push-to-Pull Cooling Mode
- Cooling Ability > CPTA B.4, 300W/Slot
- 2-slot, fully passive, ATCA-compliant backplane with cross-connected Base and Fabric Interfaces, handles up to 3.125 Gbps and 10Gbps per differential pair(Optional)
- Triple Full Mesh or Dual Star on Fabric Channel
- Radial or Bussed IPMB
- AC & DC versions, Hot swappable PEM
- Intelligent Chassis Management(IPMI or I2C)

Target Application

Telecom & Network: Router, WLAN-AC, Femto-GW, Signal GW, Media GW, GEPON, DPI…

Enterprise Application: High-end Low Capacity Security GW, High Density Low Capacity Computing GW…

Specifications

Mechanical

- 19″ Rackmount, 3U height
- Up to two standard AdvancedTCA® blades
- Up to two rear transition modules(RTM)
- Up to two redundant Shelf Management Modules(Optional)
- The default chassis will not

BP Data Transport Sub-System

- Base Channel: 1000 Base-T dual star topology
- Fabric Channel: 15 replicated mesh, 3.125Gbps or 10Gbps
- Update Channel: Between the two adjacent slots
- IPMB：Radial or Bus(Default Configuration)

Cooling Sub-System

- Right-to-Left Push-to-Pull Cooling Mode
- Dual hot swappable fan tray with intelligent fan control function
- One hot swappable air filter on the right side of chassis
- >CPTA B.4, 300W/Slot

Environment

- Operating Temperature: 0°C to 50°C
- Storage Temperature: -20°C to 80°C
- Humidity: 5% to 95%, non-condensing

Power Sub-System

DC Power Entry Module

- -36 V DC to -56 V DC , Nominal -48V DC(Default Configuration)
- -36 V DC to -72 V DC , Nominal -48 V DC(On request)
- Dual hot swappable redundant DC power entry modules
- Carries up to 850 W (A or B)
- Filter on the DC Input
- 35A Breakers
- Anti-Surge for whole chassis(optional)
- -48V DC(A or B) Monitoring function(optional)

AC Power Entry Module

- 220V AC
- Dual hot swappable redundant AC power entry modules
- Carries up to 850W (A or B)
- Filter on the AC Input
- Anti-Surge for whole chassis
- Dual hot swappable 850W AC/DC Converters
- Can be managed via I2C(Optional)

Management Sub-system

IPMI Management Mode

- ATCA Blade IPMI Control(Recommended)
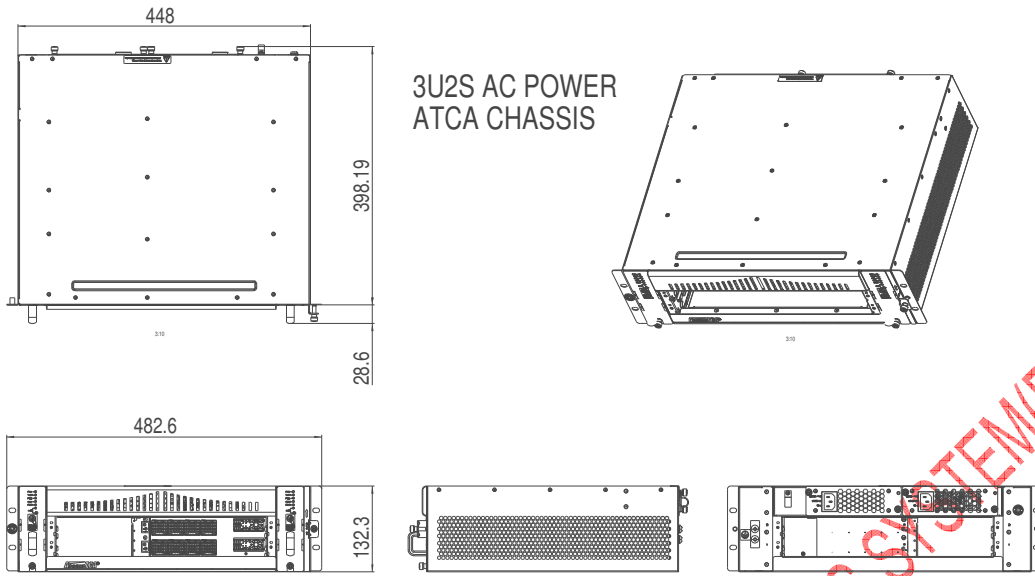- Dedicated dual redundant Shmm (Optional)

I2C Management Mode
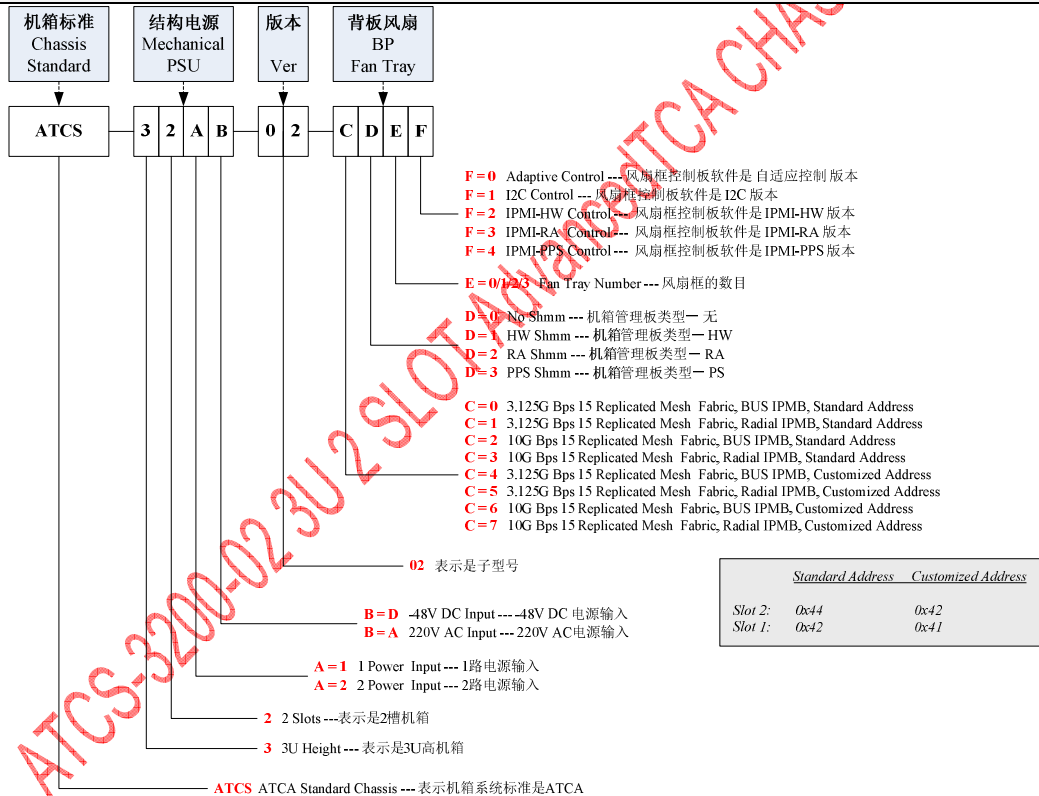
- ATCA Blade I2C Control

Compliance

AdvancedTCA® Specification PICMG® 3.0 R2.0

Certification

RoHS ,CE, FCC, designed for NEBS Level 3

Dimension

3U2S AC POWER ATCA CHASSIS

448

398.19

28.6

482.6

132.3

Part Number

机箱标准 Chassis Standard	结构电源 Mechanical PSU	版本 Ver	背板风扇 BP Fan Tray

ATCS	3	2	A	B	0	2	C	D	E	F

F = 0 Adaptive Control --- 风扇框控制板软件是自适应控制版本
F = 1 I2C Control --- 风扇框控制板软件是 I2C 版本
F = 2 IPMI-HW Control --- 风扇框控制板软件是 IPMI-HW 版本
F = 3 IPMI-RA Control --- 风扇框控制板软件是 IPMI-RA 版本
F = 4 IPMI-PPS Control --- 风扇框控制板软件是 IPMI-PPS 版本

E = 0/1/2/3 Fan Tray Number --- 风扇框的数目

D = 0 No Shmm --- 机箱管理板类型一 无
D = 1 HW Shmm --- 机箱管理板类型— HW
D = 2 RA Shmm --- 机箱管理板类型一 RA
D = 3 PPS Shmm --- 机箱管理板类型一 PS

C = 0 3.125G Bps 15 Replicated Mesh Fabric, BUS IPMB, Standard Address
C = 1 3.125G Bps 15 Replicated Mesh Fabric, Radial IPMB, Standard Address
C = 2 10G Bps 15 Replicated Mesh Fabric, BUS IPMB, Standard Address
C = 3 10G Bps 15 Replicated Mesh Fabric, Radial IPMB, Standard Address
C = 4 3.125G Bps 15 Replicated Mesh Fabric, BUS IPMB, Customized Address
C = 5 3.125G Bps 15 Replicated Mesh Fabric, Radial IPMB, Customized Address
C = 6 10G Bps 15 Replicated Mesh Fabric, BUS IPMB, Customized Address
C = 7 10G Bps 15 Replicated Mesh Fabric, Radial IPMB, Customized Address

02 表示是子型号

B = D -48V DC Input --- -48V DC 电源输入
B = A 220V AC Input --- 220V AC电源输入

A = 1 1 Power Input --- 1路电源输入
A = 2 2 Power Input --- 2路电源输入

2 2 Slots ---表示是2槽机箱

3 3U Height --- 表示是3U高机箱

ATCS ATCA Standard Chassis --- 表示机箱系统标准是ATCA

	Standard Address	Customized Address
Slot 2:	0x44	0x42
Slot 1:	0x42	0x41

料号样例:
ATCS-322A-02-0021 3U高2槽ATCA机箱,2路AC输入,3.125G Bps 15 Replicated Mesh 背板,BUS IPMB, Standard Address, 无机箱管理板,2个风扇框, 软件版本是I2C
ATCS-322D-02-7122 3U高2槽ATCA机箱,2路DC输入,10G Bps 15 Replicated Mesh 背板,Radial IPMB, Customized Address,HW机箱管理板,2个风扇框, 软件版本是IPMI-HW

Order Information

ATCS-322D-02	3U 2slots ATCA chassis system with dual -48V DC PEM
ATCS-321A-02	3U 2slots ATCA chassis system with one 850W AC/DC converter
ATCS-322A-02	3U 2slots ATCA chassis system with dual 850W AC/DC converters