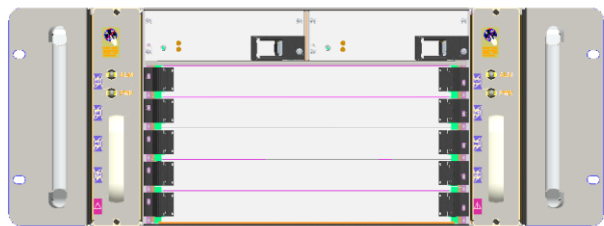


VPX-4500-01 Series 4U 5Slots VPX Chassis System



VPX-4500-01 series 4U 5slots VPX chassis system based on Advanced Telecom Computing Architecture is an ideal hardware platform for carrier-grade middle capacity telecommunication and network equipment.

Key Features

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

Target Application

Telecom & Network: 3G/4G, IMS, Router, WLAN-AC, Femto-GW, Signal GW, Media GW, GEON, DPI...
Enterprise Application: High-end Security GW, High Density Computing GW...

Specifications

Dimension and Subrack

- 19" rackmount, 4U height
- Up to four standard AdvancedTCA® blades
- Up to four rear transition modules(RTM)
-

BP Data Transport Sub-System

- Base Channel: 1000 Base-T dual star topology
- Fabric Channel:
- Triple Full Mesh Topology(Dual-Star Compatible)
- 3.125Gbps or 10Gbps
- Update Channel:
- Between the two adjacent slots
- IPMB:
- Radial or Bus(Default)

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

Environment

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

Compliance

AdvancedTCA® Specification PICMG® 3.0 R2.0

Power Sub-System

AC Power Entry Module

- 220V AC
- Dual hot swappable redundant AC power entry modules
- Carries up to 2000W (A or B)
- Filter on the AC Input
- Anti-Surge for whole chassis
- Dual hot swappable 1800/2000/2750W AC/DC Converters
- Can be managed via I2C(Optional)

Management Sub-system

IPMI Management Mode

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

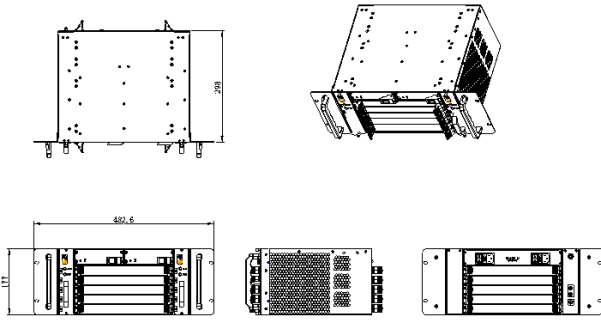
I2C Management Mode

- VPX Blade I2C Control

Certification

RoHS ,CE, FCC, designed for NEBS Level 3

Dimension

**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 6 6 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— 无
D = 1 HW Shmm --- 机箱管理板类型— HW
D = 2 RA Shmm --- 机箱管理板类型— RA
D = 3 PPS Shmm --- 机箱管理板类型— PS

C = 0 3.125G Bps Dual Star Fabric, BUS IPMB, Standard Address
C = 1 3.125G Bps Dual Star Fabric, Radial IPMB, Standard Address
C = 2 3.125G Bps Single Full Mesh Fabric, BUS IPMB, Standard Address
C = 3 3.125G Bps Single Full Mesh Fabric, Radial IPMB, Standard Address
C = 4 3.125G Bps Triple Full Mesh Fabric, BUS IPMB, Standard Address
C = 5 3.125G Bps Triple Full Mesh Fabric, Radial IPMB, Standard Address
C = 6 10G Bps Dual Star Fabric, BUS IPMB, Standard Address
C = 7 10G Bps Dual Star Fabric, Radial IPMB, Standard Address
C = 8 3.125G Bps Dual Star Fabric, BUS IPMB, Customized Address
C = 9 3.125G Bps Dual Star Fabric, Radial IPMB, Customized Address
C = A 3.125G Bps Single Full Mesh Fabric, BUS IPMB, Customized Address
C = B 3.125G Bps Single Full Mesh Fabric, Radial IPMB, Customized Address
C = C 3.125G Bps Triple Full Mesh Fabric, BUS IPMB, Customized Address
C = D 3.125G Bps Triple Full Mesh Fabric, Radial IPMB, Customized Address
C = E 10G Bps Dual Star Fabric, BUS IPMB, Customized Address
C = F 10G Bps Dual Star 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 1Power Input --- 1路电源输入
A = 2 1Power Input --- 2路电源输入

6 6 Slots ---表示是6槽机箱
6 6U Height --- 表示是6U高机箱

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

料号样例:

ATCS-662A-02-0021 6U高6槽ATCA机箱, 2路AC输入, 3.125G Bps Dual Star 背板, BUS IPMB, Standard Address, 无机箱管理板, 2个风扇框, 软件版本是I2C

ATCS-662D-02-F122 6U高6槽ATCA机箱, 2路DC输入, 10G Bps Dual Star 背板, Radial IPMB, Customized Address, HW机箱管理板, 2个风扇框, 软件版本是IPMI-HW

	Standard Address	Customized Address
Slot 6:	0x46	0x4A
Slot 5:	0x45	0x48
Slot 4:	0x44	0x46
Slot 3:	0x43	0x44
Slot 2:	0x42	0x42
Slot 1:	0x41	0x41

Order Information

VPX-452A-02 4U 5slots VPX chassis system with dual 2000W AC/DC converters