



CPC-CHASSIS-08-II

CPC-3002SFP-II-BT

| CPC-CHASSIS-08-II

8-Slot PoE Media Converter Chassis

| CPC-3002SFP-II-BT

100/1000Base-X SFP to

10/100/1000Base-T RJ-45

with IEEE 802.3bt PoE/PSE type 4 (90W)

media converter module

Description

The **CTS CPC-CHASSIS-08-II** is a **media converter chassis with 8 module-slots** designed for the mixed installation of CTS's **CPC-3002SFP-II-BT**, an **1G media converter compliant with 90W IEEE802.3bt PoE**.

CPC-CHASSIS-08-II: Reliably Built for a Wide Temperature Range

The CPC-CHASSIS-08-II, combined with the CPC-3002SFP-II-BT modules, features a swappable redundant power supply system to ensure uninterrupted operation, even if one power supply module fails.

Its fanless & all-front-access design allows easy maintenance, with both power supply units and media converter slots accessible from the front panel. The chassis supports wide operating temperature ranges across 0°C ~ 70°C, making it ideal for deployment in harsh environments.

CPC-3002SFP-II-BT: Media Converter with a 90W PoE Injector

The **CPC-3002SFP-II-BT** media converter is specifically designed for the CPC-CHASSIS-08-II platform. It provides:

- one 100/1000 Mbps SFP slot
- one 10/100/1000 Mbps RJ-45 port with a maximum IEEE 802.3bt Type 4 (90W) PoE output capability

This media converter features a plug-and-play design with an easy-to-use hardware DIP switch, allowing users to effortlessly configure SFP settings, SFP speeds, and PoE ON/OFF functionality. This makes it an excellent choice for efficient and reliable network operations.

Key Features of CPC-CHASSIS-08-II

■ All-Front-Access Design with Plug-and-Play Functionality

The **CPC-CHASSIS-08-II** features an all-front-access design, which means the dual power supply units and media converter slots are accessible from the front panel, ensuring quick and hassle-free installation.

With its plug-and-play functionality, no complex setup or configuration is required, simplifying deployment.

■ Optimized for Compact Rack-Mount Environments

Designed with depth-conscious installations in mind, the **CPC-CHASSIS-08-II** supports **standard 19-inch rack mounting with a 200mm depth**, making it ideal for deployment in harsh and narrow spaces.

■ Hot-Swappable Slots for Converters & Power Modules

The **CPC-CHASSIS-08-II** offers **8 hot-swappable slots for converter modules** (e.g., CPC-3002SFP-II-BT) and **2 hot-swappable slots for power modules**, ensuring easy maintenance and reduced downtime during module replacement.

■ Fanless Design with Wide Operating Temperature Range (0°C ~ 70°C)

Compared to the cooling systems relying on active fans, the **CPC-CHASSIS-08-II** employs a **fanless** natural airflow design, eliminating issues about fan failures.

Designed for demanding environments, this device operates reliably in temperatures ranging from **0°C to 70°C**, ensuring optimal performance even in extreme conditions.

■ Target Applications

Designed for challenging network infrastructures, where temperature might fluctuate from 0°C to 70°C.

Key Features of CPC-3002SFP-II-BT

■ Plug-and-Play Functionality

Installation is quick and hassle-free with no complex setup or configuration required.

■ 90W per RJ-45 Port

Equipped with a 10/100/1000Base-T RJ-45 port with an IEEE 802.3af/at/bt PoE injector, the **CPC-3002SFP-II-BT** delivers **up to 90W** of power over an Ethernet cable. This makes it an excellent choice for powering high-demand devices such as PTZ IP cameras, Wi-Fi 6/6E/7 access points, and self-service terminals through Ethernet connectivity.

■ Configuration with Front-Side DIP Switch

The CPC-3002SFP-II-BT features a front-side **DIP switch**, enabling users to easily configure **SFP port speed, SFP port modes, PoE ON/OFF, Link Alarm, and PSE Auto Power Off functions**.

Specification

■ Interface

CPC-CHASSIS-08-II

- Media converter Slots
8 x Hot-Swappable
- Power Slots
2 x Hot-Swappable

CPC-3002SFP-II-BT

- 1 x 100/1000Base-X SFP
- 1 x 10/100/1000Base-T RJ-45 with
IEEE 802.3af/at/bt injector, up to 90W PoE output

Standards

- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-TX
- IEEE 802.3u 100Base-FX
- IEEE 802.3ab 1000Base-T
- IEEE 802.3z 1000Base-X
- IEEE 802.3af Power over Ethernet
- IEEE 802.3at Power over Ethernet +
- IEEE 802.3bt Power over Ethernet ++

■ H/W Specification

CPC-3002SFP-II-BT

- MAC Address Table: 2K
- Non-blocking Switching Fabric: 4Gbps
- Throughput @ 64Bytes: 2.9Mpps
- Jumbo Frame: 9K Bytes
- Packet Buffer: 1Mbit
- Store and Forward Switching Mechanism
- Auto-Cross over for MDI/MDI-X in TP port
- Auto-Negotiation in TP Port
- Full/Half Duplex Mode Operation

■ Power over Ethernet

CPC-CHASSIS-08-II

- Max. PoE output budget: 300W

CPC-3002SFP-II-BT

- IEEE 802.3af/at (mode A/end-span)
1/2(-), 3/6(+)
max. PoE output budget: 15/30W
- IEEE 802.3bt (4-pair mode, 4-pair mandatory)
1/2(-), 3/6(+)& 4/5(+), 7/8(-)
max. PoE output budget: 90W

■ LED

CPC-CHASSIS-08-II

- Power (power module)

CPC-3002SFP-II-BT

- Power, Status, PoE
- TP Link/Act/Speed, F/O Link/Act/Speed

■ DIP Switch

CPC-3002SFP-II-BT

- F/O speed Auto/Manual
- Force/Auto Mode for F/O
- Link Alarm & PSE Auto Power Off (PAPO)*
- PSE State

■ Power Requirement

CPC-CHASSIS-08-II (with power module)

- AC Input : 220~240VAC, 50/60Hz
- Power Consumption: full-load < 340W (1160 BTU/h)

CPC-3002SFP-II-BT

- Power Input : 54VDC
- Power Consumption: full-load < 95W (324 BTU/h)

■ Environmental Condition

- Operation: 0°C~70°C
- Storage: -20°C~85°C
- Humidity: 5%~90% RH, Non-Condensing

■ Dimension & Weight

CPC-CHASSIS-08-II

- Size: 440 x 200 x 132mm (W x D x H)
- Weight: 4.25Kg (without power and converter module)

CPC-PWR-AC-II

- Size: 75 x 181 x 132mm (W x D x H)
- Weight: 2.0Kg

CPC-3002SFP-II-BT

- Size: 34 x 94 x 132mm (W x D x H)
- Weight: 0.27Kg

■ Standards and Certifications

CE/FCC Class A

- Safety: EN/IEC 62368-1
- EMC: EN 55032 / EN 55035
- ESD
Air Discharge: +/-8kV
Contact Discharge: +/-4kV
- EFT
AC input: +/-1kV
Signal (RJ-45): +/-0.5kV
- Surge Protection
AC input: +/-2kV
Signal (RJ-45): +/-2kV

CB(TUV)/UKCA/RCM

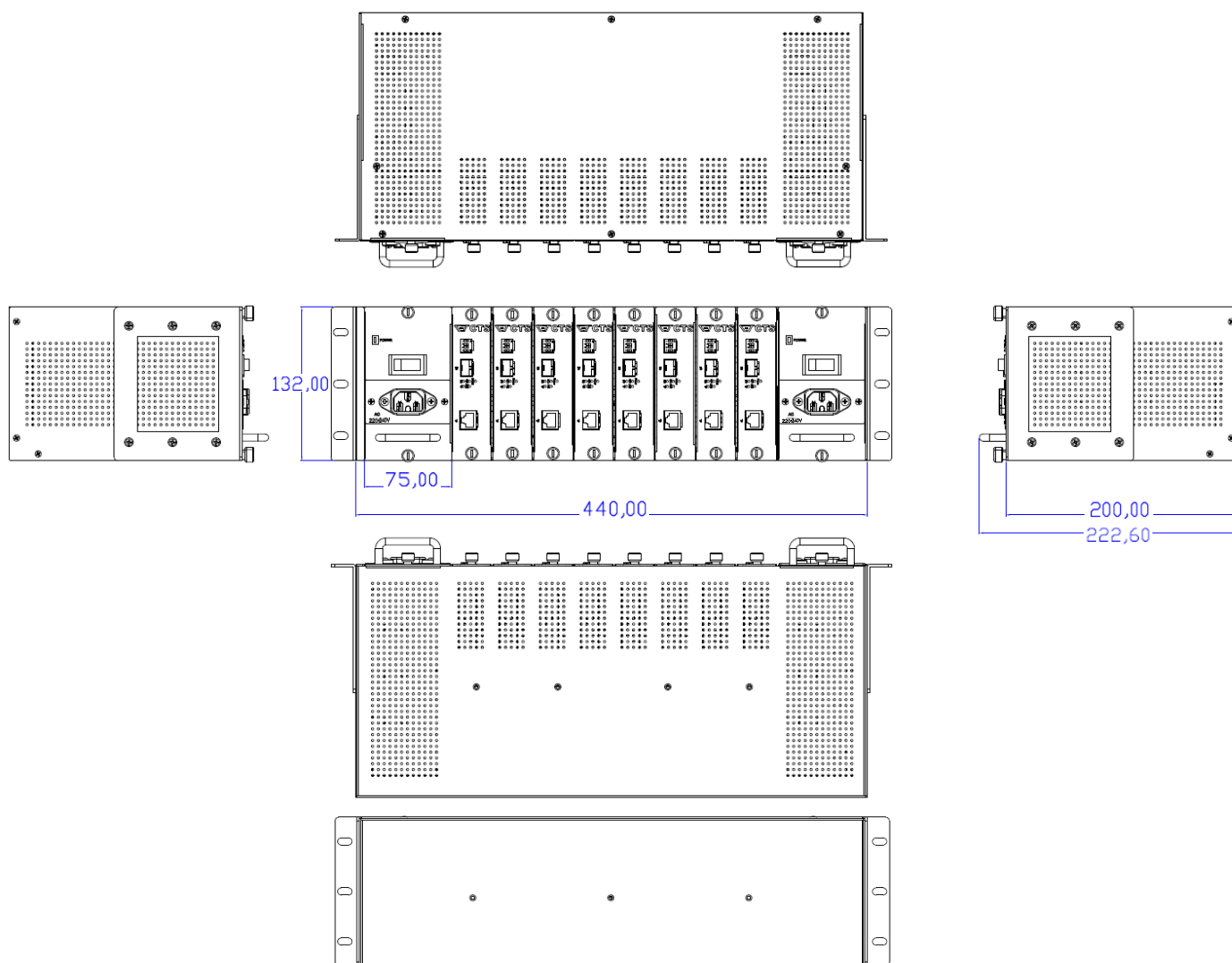
RoHS 2.0

* The PAPO function operates when the fiber interface link goes down, with link alarm and PSE state function enabled.

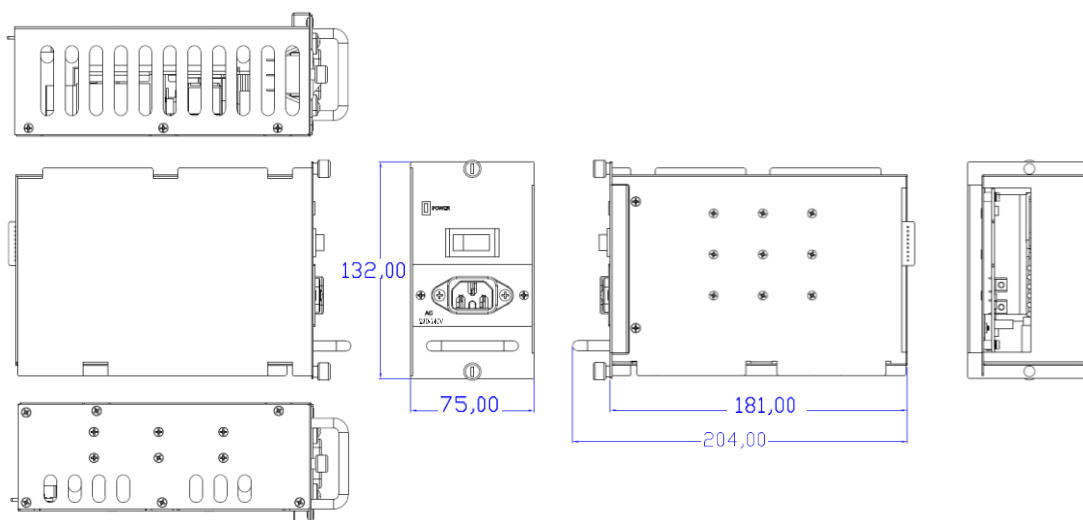
Dimension

CPC-CHASSIS-08-II

Unit : mm

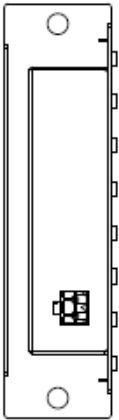
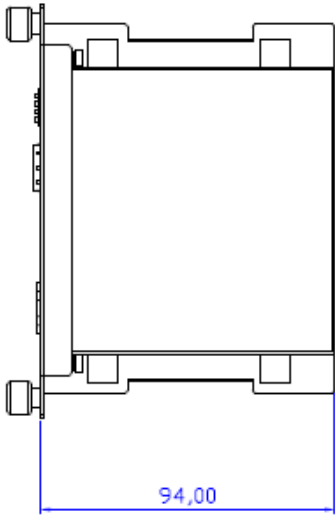
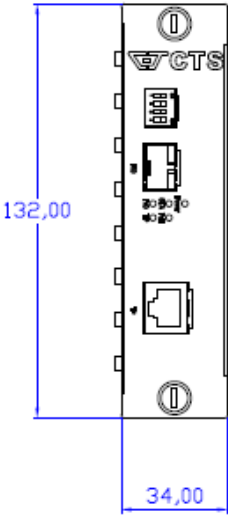
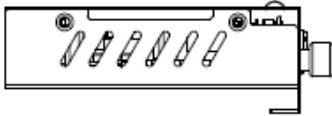
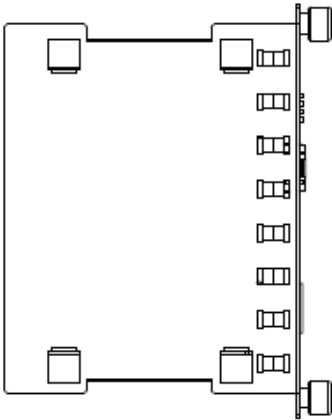
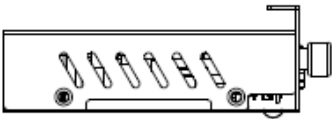


CPC-PWR-AC-II



CPC-3002SFP-II-BT

Unit : mm



Order Information

Model	Module Slot Amount		Support Power Source	Remark
	Converter Module	Power Module		
CPC-CHASSIS-08-II	8	2	Provide by 2 x CPC-PWR-AC-II	Non-managed Model
CPC-PWR-AC-II	-	-	220-240V AC power input	Power Module for CPC-CHASSIS-08-II

Model	Fiber Slot			TP Port		Support Power Source
	Speed(Mbps)	Type	Slot	Speed(Mbps)	Port	
CPC-3002SFP-II-BT	100/1000	SFP	1	10/100/1000	1	1 x 54V DC power input provide by CPC-CHASSIS-08-II

Accessory

SFP-31-D

Model	Specification					
	Speed	Type	Connector	Distance	Wavelength	Operating Temperature
SFP-31FC-D	1000Mbps	MM	LC	550M	850nm	-40°C ~ 85°C
SFP-31FC(MM-02)-D	1000Mbps	MM	LC	2KM	1310nm	-40°C ~ 85°C
SFP-31FC(SM-10/20)-D	1000Mbps	SM	LC	10/20KM	1310/1310nm	-40°C ~ 85°C
SFP-31W2A(SM-10/20)-D	1000Mbps	WDM	LC	10/20KM	TX: 1310/1310nm RX: 1550/1550nm	-40°C ~ 85°C
SFP-31W2B(SM-10/20)-D	1000Mbps	WDM	LC	10/20KM	TX: 1550/1550nm RX: 1310/1310nm	-40°C ~ 85°C

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