TRANSITION networks

User's Guide

CPSMC0200-2x0

Dual-Slot *PointSystem*™ Chassis

The Transition Networks CPSMC0200-2x0 series dual-slot *PointSystem*™ chassis is designed for installation of one or two selectable Transition Networks *PointSystem*™ media converter slide-in-modules.

Part Number	Description
CPSMC0200-200	*Dual-Slot PointSystem™ chassis intended for installation of any PointSystem™ media converter slide-in-modules.*
CPSMC0200-210	*Dual-Slot PointSystem™ chassis intended for installation of any PointSystem™ media converter slide-in-modules. Also provides a Last Gasp trap generation.*

Optional Accessories *(sold separately)*

Part Number	Description
SPS-1872-SA	*Optional External Power Supply; 18-72VDC Stand-Alone Output: 12.6VDC, 1.0 A*
WMBP	*Optional Wall Mount Bracket; Length: 5.0 in. (127 mm)*
WMBV	*Optional Vertical Mount Bracket; 5.0 in. (127 mm)*
WMBD	*Optional DIN Rail Mount Bracket; 5.0 in. (127 mm)*

Installation

Installing a Slide-in-Module

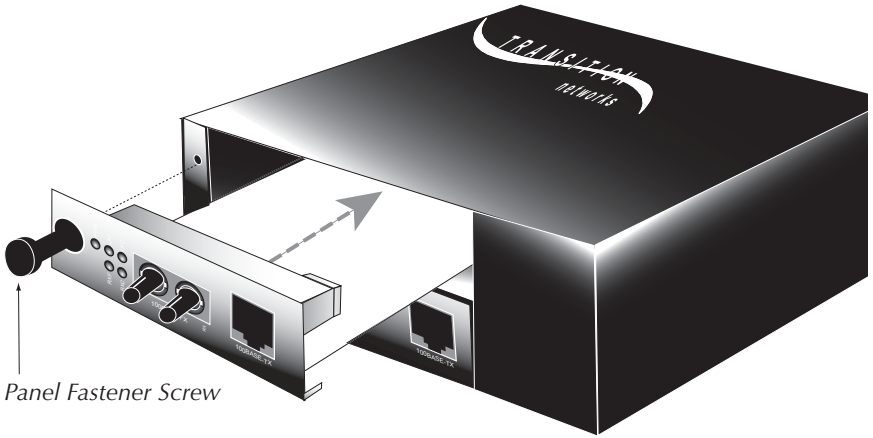
CAUTION: Do NOT install Two (2) *PointSystem*™ media converter slide-in-modules whose total power requirements exceed 12 W (with a maximum of 6 W per slot). Failure to observe this caution could cause data transfer to fail and also could result in damage to, and subsequent failure of, the media converter slide-in-module.

CAUTION: Wear a grounding device and observe electrostatic discharge precautions when installing the media converter slide-in-module in to the dual-slot chassis. **Failure to observe this caution could result in damage to, and subsequent failure of, the media converter slide-in-module.**

NOTE: If only one slide-in-module is to be installed into the dual-slot chassis, ensure network standards compliance by obtaining a custom faceplate (P/N CPSFP-200) from Transition Networks for installation into the second, unused slot.

To install a slide-in-module into the dual-slot chassis:

1. Refer to the user's guide that comes with the slide-in-module to ensure that any switches or jumpers on the slide-in-module circuit board are set correctly for the site installation.
2. Carefully align the slide-in-module with the chassis installation guides and slide the module into the installation slot.
3. Ensure that the slide-in-module is firmly seated inside the chassis.
4. Push in and rotate the attached panel faster screw clockwise to secure the slide-in-module to the chassis front.
5. Repeat steps 1-4 for the second slide-in-module.



Installation -- Continued

Power the Chassis

To supply AC power to the dual-slot chassis:

1. Locate an appropriate 12 volt power adapter for the installed media converter slide-in-module(s).
2. Connect the barrel connector on the power adapter to the dual-slot chassis power port (located on the back of the chassis).
3. Connect the power adapter plug to AC power.
4. Verify that the dual-slot chassis is powered by observing the illuminated LED(s) on the installed slide-in-module(s).

To supply DC power to the dual-slot chassis:

Consult the user's guide for the Transition Networks SPS1872-xx DC external power supply for powering the dual-slot chassis.

Last Gasp Option (CPSMC0200-210 model only)

The CPSMC0200-210 model features the Last Gasp option, which enables the device to send out an SNMP trap to the device in the event of a power failure; alerting the management console that the device has failed.

Installation -- Continued

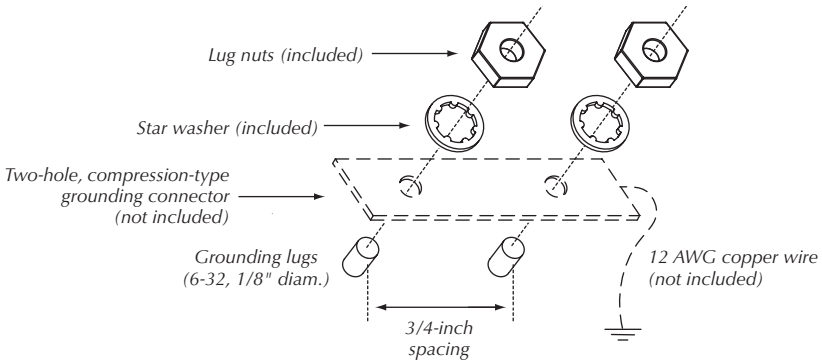
Grounding the Media Converter

The dual-slot chassis comes equipped with grounding lugs located on the back panel. They require a grounding conductor wire terminated with a **two-hole, compression-type, grounding connector**. The grounding wire -- which must be a copper conductor -- is not included with the chassis and **must be provided by the customer/installer**.

The electrical conducting path from the single-slot chassis must:

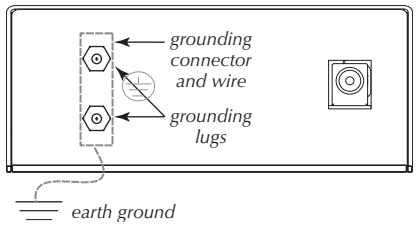
- Flow via the grounding lugs to the common bonding network (CBN) for telecom installations, or to an alternative approved grounding system (if required) for non-telecom installations.
- Be of sufficiently low impedance to conduct fault currents likely to be imposed on the media converter, and
- Enable proper operation of any over-current protection devices.

The conductor must be fastened to the grounding lugs with the enclosed anti-rotation star-washers and lug-nut fasteners. The applied torque required to the connector lug-nut fasteners is specified by the connector's manufacturer.



To properly ground the dual-slot chassis:

1. Obtain one (1) grounding conductor (12 AWG copper wire gauge or larger) with a two-hole, compression-type, grounding connector.
2. Attach the grounding conductor to the converter by placing the two-hole connector onto the grounding lugs and fasten with the enclosed lock-washers / lug-nuts at the proper torque (per the manufacturer's specification).
3. Attach the opposite end of the grounding conductor to the common bonding network (CBN) for telecom, or to earth ground (if required) for non-telecom installations.



Technical Specifications

For use with Transition Networks Model CPSMC0200-2x0 or equivalent.

NOTE: The CPSMC0200-2x0 dual-slot chassis is Class B compliant ONLY if Class B-compliant media converters are installed. Installation of a Class A-compliant media converter reduces the chassis to Class A compliance.

The maximum power delivery capacity for each chassis slot is 12 Watts with an aggregate chassis **maximum of 6 Watts per slot**. Example: A 9-Watt media converter would require the power of both slots. In this example, the second slot must remain unused.

Compliance	EN55022; Class A&B; CE Mark	
Dimensions	5.4 x 5.6 x 2.2 in (137 x 142 x 56 mm)	
Weight	1.4 lb. (0.6 kg.) (approximate)	
MTBF *(CPSMC0200-200)*	48,501 hours (MIL217F2 V5.0) (MIL-HDBK-217F) 128,553 hours (Bellcore7 V5.0)	
MTBF *(CPSMC0200-210)*	1,618,162 hours (MIL217F2 V5.0) (MIL-HDBK-217F) 3,259,373 hours (Bellcore7 V5.0)	
Power Supply	12VDC, 1.25 A; 100-240 VAC	
Environment	Tmra*:	0 to 60°C (32 to 140° F)
	Storage Temp:	-20 to 85°C
	Humidity:	10 to 90%, non condensing
	Altitude:	0 to 10,000 feet
Warranty	Lifetime	

*Manufacturer's rated ambient temperature for the dual-slot chassis. Refer to the user's guide of the installed media converter for its operating temperature range.

The information in this user's guide is subject to change. For the most up-to-date information on the CPSMC0100-20x dual-slot chassis, view the user's guide on-line at: www.transition.com.

Troubleshooting

1. Is a media converter installed in the dual-slot chassis?

NO

- Install a slide-in-module media converter into the dual-slot chassis. See page 2 for installation instructions.
- Proceed to step 2.

YES

- Proceed to step 2.

2. Is the power LED on the installed media converter illuminated?

NO

- Is the power adapter the proper type of voltage and cycle frequency for the AC outlet? (See "Power Supply" on page 5.)
- Is the power adapter properly installed in the media converter and in the grounded AC outlet?
- Contact Technical Support: US/Canada: 1-800-260-1312, International: 00-1-952-941-7600.

YES

- Proceed to step 3.

3. Are two media converters installed in the dual-slot chassis?

YES

- The dual-slot chassis can accommodate two media converters if the total power requirement is 12 W or less (with a maximum of 6 W per slot). If the converters exceed this limit, remove one of the converters.
- Contact Technical Support: US/Canada: 1-800-260-1312, International: 00-1-952-941-7600.

NO

- Contact Technical Support: US/Canada: 1-800-260-1312, International: 00-1-952-941-7600.

Contact Us

Technical Support

Technical support is available 24 hours a day.
United States: **800-260-1312**
International: **952-941-7600**

Transition Now

Chat live via the Web with Transition Networks Technical Support.
Log onto **www.transition.com** and click the **Transition Now** link.

Web-Based Seminars

Transition Networks provides seminars via live web-based training.
Log onto **www.transition.com** and click the **Learning Center** link.

E-Mail

Ask a question anytime by sending an e-mail to our technical support staff.
techsupport@transition.com

Address

Transition Networks
6475 City West Parkway
Minneapolis, MN 55344, USA
telephone: 952-941-7600
toll free: 800-526-9267
fax: 952-941-2322

TRANSITION networks

Declaration of Conformity

Name of Mfg: **Transition Networks**
6475 City West Parkway, Minneapolis MN 55344 USA

Model: ***CPSMC0200-2x0 Series Dual-Slot PointSystem™ Chassis***

Part Number: **CPSMC0200-200, CPSMC0200-210**

Regulation: **EMC Directive 89/336/EEC**

Purpose: To declare that the **CPSMC0200-2x0** to which this declaration refers is in conformity with the following standards.

EN 55022:1998 Class A & B; FCC Part 15 Subpart B

I, the undersigned, hereby declare that the equipment specified above conforms to the above Directive(s) and Standard(s).

Stephen Anderson, Vice-President of Engineering — June 8, 2001 Date

Compliance Information

CISPR/EN55022 Class A & B
CE Mark

FCC Regulations
This equipment has been tested and found to comply with the limits for a Class A & B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference. In which case, the user will be required to correct the interference at the user's own expense.

Canadian Regulations
This digital apparatus does not exceed the Class A & B limits for radio noise for digital apparatus set out on the radio interference regulations of the Canadian Department of Communications.
Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la Class A & B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

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