

User's Guide

CPSMC0100-200

Single-Slot *PointSystem*™ Chassis

The Transition Networks CPSMC0100-200 series single-slot *PointSystem*™ chassis is designed for installation of a single, selectable Transition Networks *PointSystem*™ media converter slide-in-module.

Part Number	Description
CPSMC0100-200	Single-Slot <i>PointSystem</i> ™ chassis intended for installation of any <i>PointSystem</i> media converter slide-in-modules up to 6 W.

Note: The following media converter families are not compatible with Transition Networks CPSMC0100-200 single-slot *PointSystem*™ chassis: C4TEF, CAPTF, CBFTF-120, CBFTF-140, CEMTF, CGFEG and the CMEFG.

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; 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)

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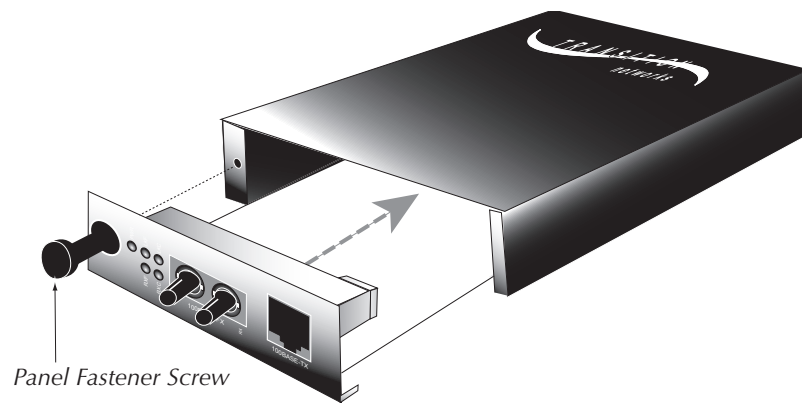
Installation

Installing a Slide-in-Module

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

The maximum power delivery capacity for the CPSMC0100-200 is 6 Watts. To install a slide-in-module into the single-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 module's 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 fastener screw to secure the slide-in-module to the chassis.



Power the Chassis

To supply AC power to the single-slot chassis:

1. Connect the barrel connector on the power adapter to the single-slot chassis' power port (located on the back of the chassis).
2. Connect the power adapter plug to AC power.
3. Verify that the single-slot chassis is powered by observing the illuminated LED(s) on the installed slide-in-module.

To supply DC power to the single-slot chassis:

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

Installation -- Continued

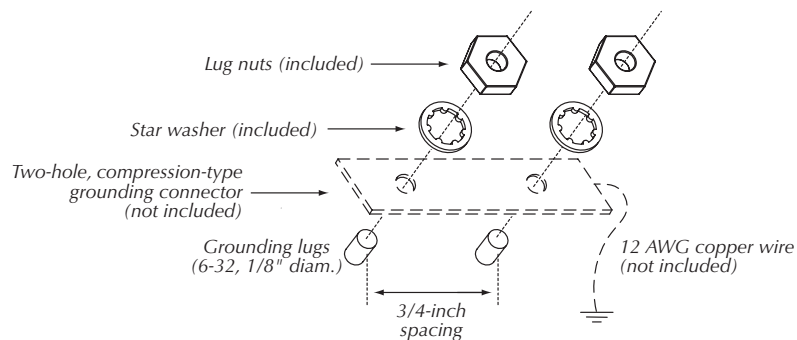
Grounding the Media Converter

The single-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:

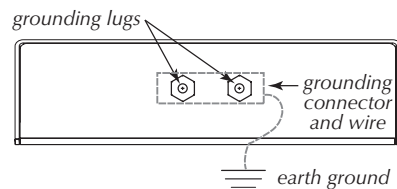
- Flow via the grounding lugs to the common bonding network (CBN) for telecom installations, or to an alternative approved grounding system (if required) for non-telecom installations.
- Be of sufficiently low impedance to conduct fault currents likely to be imposed on the media converter, and
- Enable 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 single-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 CPSMC0100-200 or equivalent.

Note: The CPSMC0100-200 single-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.

Compliance	EN55022; Class A&B; CE Mark
Dimensions	3.875 x 5.5 x 1.0 in (98 x 140 x 25 mm)
Weight	13 oz. (369 g) approximately
MTBF	
CPSMC0100-200:	22,394,241 hours (MIL217F2 V5.0) (MIL-HDBK-217F) 233,811,224 hours (Bellcore7 V5.0)
Maximum power delivery capacity:	
CPSMC0100-200:	6 Watts
Power Supply	
CPSMC0100-200:	12VDC, 0.8 A (N. America, Europe, Japan, Latin Am.) 12VDC, 1.25 A (UK, Australia, South Africa)
Environment	
Tmra*:	0 to 50°C (32 to 122° 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.	

The information in this user's guide is subject to change. For the most up-to-date information on the CPSMC0100-200 single-slot chassis, view the user's guide on-line at: www.transition.com.

Troubleshooting

1. Is a media converter installed in the single-slot chassis?
NO
 - Install a slide-in-module media converter into the single-slot chassis. See page 2 for installation instructions.
 - Proceed to step 2.
 YES
 - Proceed to step 2.

2. Is the Power LED on the 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. Check the power requirement for the installed media converter?
 - If the power requirement is 6 W or less, either model chassis can be used.
 - For additional assistance, 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: 1-800-260-1312

International: 00-1-952-941-7600

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


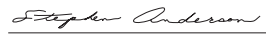
10900 Red Circle Drive

Minnetonka, MN 55343, U.S.A.

telephone: 952-941-7600

toll free: 800-526-9267

fax: 952-941-2322

		Declaration of Conformity
Name of Mfg:	Transition Networks 10900 Red Circle Drive, Minneapolis MN 55343 U.S.A.	
Model:	CPSMC0100-200 Series Single-Slot PointSystem Chassis	
Part Number:	CPSMC0100-200	
Regulation:	EMC Directive 89/336/EEC	
Purpose:	To declare that the CPSMC0100-200to which this declaration refers is in conformity with the following standards. EN 55022:1998 Class A&B; EN 55024:1988; FCC Part 15 Subpart B; EN 61000-3-2:1995; EN 61000-3-3:1995	
	<i>I, the undersigned, hereby declare that the equipment specified above conforms to the above Directive(s) and Standard(s).</i>	
		June, 2008
	Stephen Anderson, Vice-President of Engineering	Date

Compliance Information

CISPR/EN55022 Class A & B + EN55024

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.



CAUTION: RJ connectors are NOT INTENDED FOR CONNECTION TO THE PUBLIC TELEPHONE NETWORK. Failure to observe this caution could result in damage to the public telephone network.

Der Anschluss dieses Gerätes an ein öffentliches Telekommunikationsnetz in den EG-Mitgliedstaaten verstösst gegen die jeweiligen einzelstaatlichen Gesetze zur Anwendung der Richtlinie 91/263/EWG zur Angleichung der Rechtsvorschriften der Mitgliedstaaten über Telekommunikationsendeinrichtungen einschliesslich der gegenseitigen Anerkennung ihrer Konformität.



In accordance with European Union Directive 2002/96/EC of the European Parliament and of the Council of 27 January 2003, Transition Networks will accept post usage returns of this product for proper disposal. The contact information for this activity can be found in the 'Contact Us' portion of this document.

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