

## User's Guide

### CPSMC0100-20x Single-Slot PointSystem™ Chassis

The Transition Networks CPSMC0100-20x 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 PointSystem™ chassis intended for installation of any PointSystem media converter slide-in-modules up to 6 W.  Media converters with part numbers that begin with CCSEF, CGETF, CGFEB, CPSVT, or CSDTF <b>cannot</b> be used in the CPSMC0100-200 chassis.
CPSMC0100-205	Single-Slot PointSystem™ chassis intended for installation of any PointSystem media converter slide-in-modules up to 12 W.  This model is <b>required</b> for media converters with part numbers that begin with CCSEF, CGETF, CGFEB, CPSVT, or CSDTF.

**NOTE:** Due to the unique power requirements in the United Kingdom (-UK), Australia/New Zealand (-OZ), and South Africa (-SA), the power supply shipped with the -200 model is the same as the -205 model. Consequently, **ANY** PointSystem™ slide-in-module can be used with either chassis in the -UK, -OZ, and -SA regions.

#### Optional Accessories (sold separately)

Part Number	Description
SPS-1872-SA	Optional External Power Supply; 18-72VDC Stand-Alone Output: 12.6VDC, 1.0 A
E-MCR-04(T)	12-Slot media converter rack (includes universal internal power supply) 17 x 15 x 5 in. (432 x 381 x 127 mm)
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

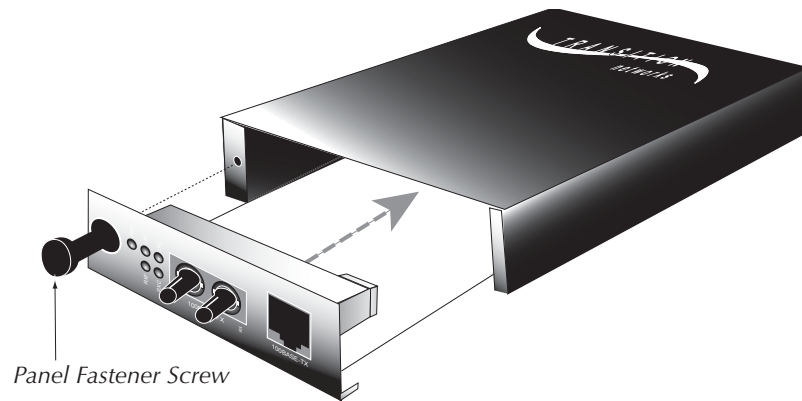
### Installing a Slide-in-Module

**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**.  
The maximum power delivery capacity for the CPSMC0100-205 is **12 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

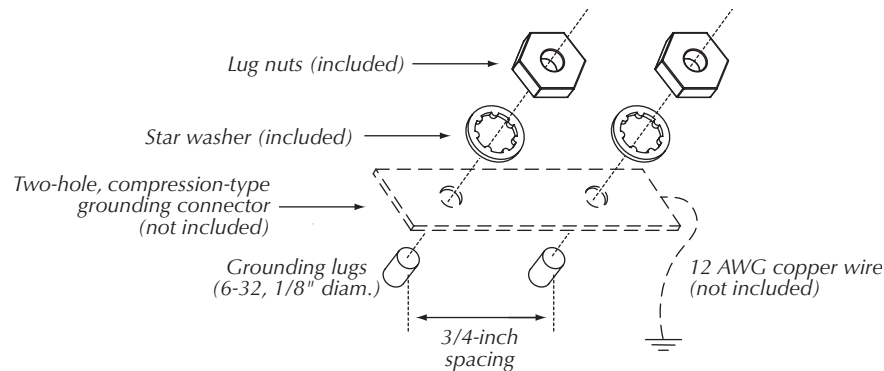
### Grounding the Media Converter

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:

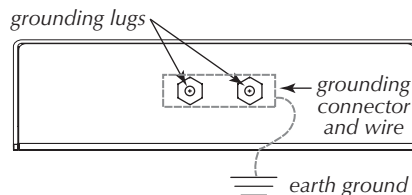
- Flow via the grounding lugs to the common bonding network (CBN) for telecom installations, or to an alternative approved grounding system (if required) for non-telecom installations.
- Be of sufficiently low impedance to conduct fault currents likely to be imposed on the media converter, and
- Enable 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 CPSMC0100-20x or equivalent.

**NOTE:** The CPSMC0100-20x 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.

<b>Compliance</b>	EN55022; Class A&B; CE Mark
<b>Dimensions</b>	3.875 x 5.5 x 1.0 in (98 x 140 x 25 mm)
<b>Weight</b>	13 oz. (369 g.) (approximate)
<b>MTBF</b>	
CPSMC0100-200:	22,394,241 hours (MIL217F2 V5.0) (MIL-HDBK-217F) 233,811,224 hours (Bellcore7 V5.0)
CPSMC0100-205:	49,888 hours (MIL217F2 V5.0) (MIL-HDBK-217F) 133,257 hours (Bellcore7 V5.0)

#### Maximum power delivery capacity:

CPSMC0100-200:	6 Watts
CPSMC0100-205:	12 Watts

#### Power Supply

CPSMC0100-200:	12VDC, 0.8 A (N. America, Europe, Japan, Latin Am.) 12VDC, 1.25 A (UK, Australia, South Africa)
CPSMC0100-205:	12VDC, 1.25 A (all regions)

#### 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 CPSMC0100-20x single-slot chassis, view the user's guide on-line at: [www.transition.com](http://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.
  - If the power requirement is greater than 6 W, the CPSMC0100-205 chassis must 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



6475 City West Parkway

Minneapolis, MN 55344, USA

telephone: 952-941-7600

toll free: 800-526-9267

fax: 952-941-2322

	<b>Declaration of Conformity</b>
Name of Mfg:	<b>Transition Networks</b> 6475 City West Parkway, Minneapolis MN 55344 USA
Model:	<b>CPSMC0100-20x Series Single-Slot PointSystem Chassis</b>
Part Number:	<b>CPSMC0100-200, CPSMC0100-205</b>
Regulation:	<b>EMC Directive 89/336/EEC</b>
Purpose:	To declare that the <b>CPSMC0100-20x</b> to 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>	
 Stephen Anderson, Vice-President of Engineering	November 8, 2000 Date

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# 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.

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