

# UCS 1001

## UNIVERSAL CHASSIS SYSTEM

The UCS 1001 is a general-purpose 1U, two slot chassis. Flexible and scalable, the UCS 1001 accommodates the entire Canoga Perkins' Universal Chassis System product line, including Optical Transponders and Repeaters, WDM, 10/100/1000 Ethernet, T1/E1 and T3/E3 Modems. It is ideal for customer premises installation, enterprise networks and military installations.

The UCS 1001 is an ideal solution when a combination of T1/E1 and T3/E3 modems, WDM, and/or Ethernet products are required. Other primary applications include Last Mile Service Providers, Secure Datacom requirements, and Dark Fiber Connectivity (leased/owned fiber).

The UCS 1001 complements the UCS 1000 5U chassis for installations where only one or two modules are required, thus offering a lower cost and smaller footprint utilizing less rack space. Additionally, this chassis accommodates fully redundant T1/E1 modems and T3/E3 modems. Redundant power is also an option.

### Hot Swappability

All modules inserted in the two slots are hot swappable for easy replacement and will not interrupt the operation of the other module. This provides immediate recovery time.

### Redundancy

The UCS 1001 chassis backplane provides communication between the two modules. In cases of full redundancy, the troubled module is able to be replaced without the interruption of operation of the sister module. The backup or redundant link or module will be monitored for operational status by the active module.

The enclosure is for tabletop or rack mounting. 19" rack mount brackets are included, and optional 23" mounting brackets are available.



TRANSPARENT OPTICAL NETWORKING



EDGEACCESS



## FEATURES

- Modular Carrier-Class Chassis System
- Fault Tolerant and Redundant
- Cost Effective - Low Entry Price
- Modularity for Flexibility and Reduced Cost of Ownership
- Redundant Power Supplies
- Input and Output Alarms
- Hot Swappable Modules

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Five models are available depending on the desired power supply configurations:

1001-2100	Single AC Power Supply
1001-7100	Redundant AC Power Supply
1001-2400	Single DC Supply
1001-7400	Redundant DC Power Supply
1001-7500	Redundant AC and DC Operation

### PHYSICAL

#### Dimensions

1.719"H x 17.5"W x 14"D  
(43.7 x 444.5 x 355.6 mm)

#### Weight

Chassis Unpopulated  
4.3 lb (1.95kg)

### ALARMS

Two sets of input and output alarm connectors are provided in the rear of the unit. Each set enables both major and minor alarms.

#### Status LEDs

##### Power Supply 1 (GREEN or OFF)

Green if output is within specification  
OFF if power supply not installed or bad

##### Power Supply 2 (GREEN or OFF)

Green if output is within specification  
OFF if power supply not installed or bad

##### MAJ (RED or OFF)

Red if a major alarm (UCS Module) has occurred

##### MIN (AMBER or OFF)

Amber if a minor alarm (UCS Module) has occurred or a single power supply has failed

### SWITCH

A front panel push button switch to acknowledge and clear the output alarms

### POWER

#### Single

Optional (AC only or DC only)

#### Redundant

Optional (AC/AC, DC/DC or AC/DC)

#### AC Power Supply

24W, 85 to 270VAC, 0.6/0.2A, 50 to 60Hz input

#### DC Power Entry Module

24W, -48VDC, 0.75A input

#### Chassis Total Power Consumption

48W maximum

#### Backplane Circuit Board

-36 to -58VDC input, 180mA maximum per slot

### CONNECTORS

#### AC Power Supplies

IEC inlet

#### DC Power Supplies

-48VDC quick disconnect terminal block

#### Alarms

Dry contact relay alarms

### ENVIRONMENTAL

#### Operating Temperature

0 - 55°C with fan cooling

#### Humidity

10 - 90% relative humidity non-condensing

### REGULATORY COMPLIANCE

UL 1950 / CSA C22.2 No.950  
IEC 60950  
IEC 60825-1  
FCC Part 15 Class A  
EN55022  
EN50082-1  
AS/NZS 3548  
FCC Part 68  
CTR 12, CTR 13, NTR 4, TS 016  
NEBS Level 3 Pending



#### WORLD HEADQUARTERS

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