

rack mount card cage with power supply



Description

The design approach employed by ComNet™ for equipment mounted within the card cage rack unit (C1-CH) with modular power supply (C1PS), provides for the elimination of a single-point failure in the event of a major fault within any module located within the chassis rack. This is accomplished through the use of automatic electronic current limiting within each rack-mountable module, rather than providing the current limiting within the power supply unit which supports the power requirements for equipment located within the rack. In nearly all competing designs, a major fault within a module, located within the chassis rack, results in the power supply unit going into a current limiting condition, and as a result, all of the modules within the rack shut down. The rack design employed by ComNet™ eliminates this possibility, as only the faulty module shuts down, and the operation of the other modules within the rack continue unimpaired. This automatic current limiting feature is also self-resetting, should the fault or overload be of a temporary or intermittent condition. Furthermore, all modules located within the chassis rack are hot-swappable, so that it is not necessary to power-down the rack when removing or replacing modules.

Features

- Automatic electronic current limiting feature
- Voltage transient protection on all power and signal input/output lines provides unconditional protection from power surges and other voltage transient events.
- (14) Fourteen 1-inch rack slots available
- All modules located within the chassis rack are hot-swappable
- Lifetime Warranty



specifications

ELECTRICAL

Input Voltage: 90-264 VAC @ 70 W Maximum
 Output Voltage: 9 VDC +/- 5% @ 6.5 Amps @ 75°C

FUSING

1.25 A slow blow (rack power supply)
 Plug-in modules individually electronically fused. Each power supply unit is individually fused.

POWER INDICATOR

Red LED

AC LINE CORD

Detachable, IEC-connected.
 Allows easy field replacement or exchange for various worldwide AC power plug configurations.

MECHANICAL

Size (in./cm.) (L x W x H)
 Rack Mount: 19.0 x 7.5 x 6.9 in.,
 (48.2 x 19 x 17.5 cm)
 (14) 1-inch slots available
 Rack Slots:
 Shipping Weight: <5 lbs./2.15 kg

ENVIRONMENTAL

MTBF: >100,000 hours
 Operating Temp: -40° C to +75° C
 Storage Temp: -40° C to +85° C
 Heat Generation: 240 BTU



*Power Supply Only

PART NUMBER	DESCRIPTION
C1-US (US AC Power Cord)	19" Rack, 90-264 VAC Input (includes power supply and power cord)
C1-EU (EU & UK Power Cord)	19" Rack, 90-264 VAC Input (includes power supply and power cord)
C1-IN (US, EU, UK & AU Power Cord)	19" Rack, 90-264 VAC Input (includes power supply and power cord)
C1-CH	19" Rack, (no power supply)
C1PS	Spare 90-264 VAC Input Power Supply (order power cords separately)
OPTIONS	
C1-BP	Blank Panel (1")
C1-SA	South African Power Cord
C1-AU	Australian Power Cord

In a continuing effort to improve and advance technology, product specifications are subject to change without notice.