Scientific Atlanta
A CISCO COMPANY

Subscriber Networks

DNCS V880 Platform

Description

The Digital Network Control System (DNCS) V880 platform features hot-swappable disks, power supplies, and cooling fan trays. All PCI slots comply with PCI Local Bus Specification Revision 2.1 and support PCI hot-plug operations. This high level of reliability is further enhanced by the addition of redundant FC-AL disk controllers.

An easy-to-use front panel display provides general system status, alerts you to system problems, and helps you determine the location of system faults.

Two hardware configurations of the DNCS V880 platform are available to match your broadband requirements:

- **DNCS V880-2**, featuring two, 900-MHz CPUs; 4-GB RAM total; and a total of six, 73-GB disks
- **DNCS V880-4**, featuring four, 900-MHz CPUs; 8-GB RAM total; and a total of twelve, 73-GB disks

The DNCS V880 platform requires System Release (SR) 2.1.1 or SR 3.0.1 or later. In addition, the DNCS V880 platform requires the DBDS IP traffic to be routed separately from the ATM traffic. This setup may require some existing sites to reconfigure their DBDS/DNCS network to route out-of-band IP traffic through 10/100BaseT Ethernet or Gigabit Ethernet.

Specifications

Electrical	
Input	
Nominal Frequencies	50 Hz or 60 Hz nominal
Nominal Voltage Range	Autoranging 100–240 VAC
Maximum Current AC RMS	15.0 A @ 100 VAC (each power cord)
AC Operating Range	90–264 Vrms, 47–63 Hz
Output	
+3.3 VDC	3 to 72 A
+5 VDC	3 to 56 A
+12 VDC	1 to 35 A
+48 VDC	0 to 31.2 A
Maximum DC Power Output	2240 Watts
Maximum AC Power Consumption	3000 Watts
Maximum Heat Dissipation	10,308 BTU/hr
Volt-Ampere Rating	1515 VA with 1120 Watt load (PF=0.99)

DNCS V880 Platform

Specifications, continued

Mechanical	
Height (with casters)	28.1 in. (71.4 cm)
Width	18.9 in. (48.0 cm)
Depth	32.9 in. (83.6 cm)
Weight (dependent on installed options)	194 lb (88 kg) minimum, 288 lb (131 kg) maximum
Power Cord	8.2 ft (2.5 m)
Operating	
Temperature	41–95°F (5–35°C)–IEC 68-2-1, 68-2-2
Humidity	20–80% RH, non-condensing; 27°C max wet bulb–IEC 68-2-2, 68-2-3
Altitude	0–10,000 ft (0–3000 m)–IEC 68-2-40, 68-2-41
Vibration Deskside	0.0002 g^2/Hz, 5-500 Hz (random)–IEC 68-2-6
Vibration Rackmounted	0.00015 g^2/Hz, 5-500 Hz (random)–IEC 68-2-6
Shock Deskside	4 g peak, 11 ms half-sine pulse–IEC 68-2-27
Shock Rackmounted	3 g peak, 11 ms half-sine pulse–IEC 68-2-27
Declared Acoustics	6.7 bels dB (A) operating, 7.6 bels dB (A) at ok prompt
Non-Operating	
Temperature	-4–140°F (-20–60°C)–IEC 68-2-1, 68-2-2
Humidity	95% RH, non-condensing at 40°C–IEC 68-2-2, 68-2-3
Altitude	0–40,000 ft (0–12,000 m)–IEC 68-2-40, 68-2-41
Vibration Deskside	0.002 g^2/Hz, 5-500 Hz (random)–IEC 68-2-6
Vibration Rackmounted	0.0015 g^2/Hz, 5-500 Hz (random)–IEC 68-2-6
Shock Deskside	15 g peak, 11 ms half-sine pulse–IEC 68-2-27e
Shock Rackmounted	10 g peak, 11 ms half-sine pulse–IEC 68-2-27e
Handling Drops	50 mm–IEC 68-2-31
Threshold Impact	1 m/s–SUN 900-1813
Minimum Clearances for Proper Cooling	
Front Blockage Only	3.0 in. (7.6 cm) required clearance
Rear Blockage Only	3.5 in. (8.9 cm) required clearance
Front and Rear Blockage: • Front Clearance • Rear Clearance	 • 3.5 in. (8.9 cm) required clearance • 4.0 in. (10.2 cm) required clearance
Minimum Clearances for Service Access	
Front Deskside	36 in. (91 cm) required clearance
Front Rackmounted	48 in. (122 cm) required clearance
Rear	36 in. (91 cm) required clearance
Right	36 in. (91 cm) required clearance
Left	36 in. (91 cm) required clearance

Specifications, continued

Agency Compliance	
Safety	EN60950/IEC950 TUV, UL 1950, CB Scheme IEC 950, C22.2 No. 950 from UL, EK from KTL
RFI/EMI	Australia/New Zealand AS/NZ 3548 Class A, Industry Canada ICES-003 Class A, European Community EN55022 Class A, Japan VCCI Class A, Taiwan CNS 13438 Class A, US FCC 47CFR15.B Class
Immunity	EN55024, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

Ordering Information

Contact your Sales Representative for product availability in your area.

Description	Available	Part Number
DNCS V880-2 Platform (hardware only)	Now	4002038
DNCS V880-2 Platform (with third-party software)*	Now	4002730
DNCS V880-4 Platform (with 4, 900-MHz CPUs)	Now	4002039
DNCS V880-4 Platform (with third-party software)*	Now	4002728

*SR 2.1.1 or SR 3.0.1 or later software must be ordered separately.

Scientific Atlanta
A CISCO COMPANY

Scientific-Atlanta, Inc.
1-800-722-2009 or 770-236-6900
www.scientificatlanta.com

Part Number 4002884 Rev B
October 2007