



MegaNac 180[®]



► Applications

- Medium to large branch and regional offices
- Corporate data centers
- Global networks

The POS Concentrator for a Reliable Network Solution

The MegaNAC 180 high-density, dial access POS concentrator with fault-tolerant, multi-function architecture interconnects into elegant, intelligent networks. It handles a variety of access modes and protocols in the most demanding environments, including T1/E1 digital interfacing, and delivers low cost-per-port benefits. The MegaNAC 180 has hot-swappable port processors and a reduced footprint which takes up less space.

The MegaNAC 180 chassis provides a full suite of uplink connections to support POS host mainframes requiring support of X.25, TCP/IP or SNA protocols. It also supports network access via CAS signaling (MFR1, MFR2 and Immediate Start) and CCS signaling for support of ISDN/PRI.

As technology moves faster and faster, the MegaNAC 180 plays a strategic role in the Hypercom framework. Network owners know they can freely evolve from one technology to another with the assurance that yesterday's systems will seamlessly integrate into tomorrow's newest offerings.



Eight slots for plug-in, hot-swappable port processors



Slim profile for rack mounting



Easily integrates with other network equipment

OUT OF THE BOX FUNCTIONALITY.



Multi-protocol ► POS dial access termination for up to six T1/E1s

T1/E1 interfacing ► Up to 180 dial lines

Redundant power supplies ► Hot-swappable

Modulations up to V.92 ► Includes Hypercom Fast POS[®]

Multiple slots ► Up to eight

High-speed bus ► Parallel packet bus, Serial packet bus, PCM highway



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INTELLIGENT PARALLEL PROCESSING POWER.

TECHNICAL SPECIFICATIONS:

CHASSIS

- 8 slots for plug-in, hot swappable port processor modules

COMMUNICATIONS

- **Bus:** High-speed parallel packet bus, serial packet bus, PCM highway
- **Modem:** V.21 Bell 10B/212A, Autodial 300/1200/2400 asynchronous & SDLC, V.22bis, V.29 Hypercom FastPOS, V.32, V.32bis
- **POS dial ports:** Visa I/II, APACS, SDLC, HDLC, asynchronous
- **Concentrator ports:** Ethernet 10Base-T (10Mbps), RS-232, V.35 (up to 1 Mbps)

PROTOCOLS

- **End user:** TCP/IP, SNA/SDLC (LU.0 & LU.2), Bisynch 3270 & 3280, Burroughs Poll/Select, IP, X.25
- **WAN:** IP, Frame Relay, X.25, SDLC
- **WAN backup:** V.32, V.32bis, (optional) V.34, V.90

POWER

- AC: 115-280 V, 4.0/2.0 A, 50/60 Hz

FOOTPRINT

- 19.0 in x 13.0 in x 5.3 in
- 48.3 cm x 33.0 cm x 13.5 cm

WEIGHT

- 27.8 lbs / 12.6 kg

ENVIRONMENT

- **Temperature:** 0-40°C/32-104°F
- **Humidity:** 25% to 95%, non-condensing
- **Heat Dissipation:** 450 BTU/hr

CERTIFICATIONS

- FCC Part 15, UL (USA), UCL (Canada), CB & CE

Reliability Built In

- ▶ Built on a framework that relies on requirements and industry standards
- ▶ Chassis can be used separately or combined to scale to meet any network requirement
- ▶ Utilizes a unique internal transport mechanism and encryption technology, which as the ability to transport data in its native mode, saving bandwidth and providing secure transmission for transactions

Flexible Development and Growth

- ▶ Allows users to start small and expand their framework as new requirements arise
- ▶ Provides freedom to implement more cost-effective services, to continuously integrate newer applications and to tailor a complete network solution that extends existing investments
- ▶ Supports data and POS
- ▶ Interchangeable port processors allow everything to be changed, without disrupting service. New services can be added or existing ones upgraded with dedicated port processors without time-consuming network redesigns or forklift upgrades
- ▶ Allows offices to centralize or compartmentalize traffic from a combination of WANs, including Frame Relay and IP.

Powerful Network Management

- ▶ HypercomView[®], Hypercom's network management system, delivers all of the tools needed to keep POS networks running smoothly
- ▶ Hypercom FastPOS offers high-speed, 9600bps modem technology specifically engineered for the POS network
- ▶ Sets new standards in GUI-based management for detail, simplicity and speed.
- ▶ Client/server architecture provides comprehensive activity and performance statistics, alerts and alarms and remote downloads and upgrades.

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