



DATA SHEET

Ethernet Power Source

Key Benefits

An intelligent solution for reliable, single-wire connection and powering of 3Com® Ethernet-based telephones and wireless access points.

Centralized Power over LAN Cabling
Simple Plug-and-Use Installation
Enhanced Power Reliability
Intelligent Device Detection
Investment Protection

The 3Com® Ethernet Power Source (EPS) lets companies with 3Com NBX® telephones or 3Com wireless access points connect and power these devices from a central location throughout their organizations using LAN cabling. With the EPS located in a secure wiring closet or other centralized location, administrators can easily access and manage the distribution of power to devices.

The EPS eliminates the need for a local power outlet and power cable for each device. One wire provides 10/100BASE-T connectivity and power—3Com wireless access points can be installed in a warehouse or manufacturing facility ceiling with just one wire. Installing wall-mounted NBX telephones in a kitchen or common area is just as easy. And because the EPS provides power to these devices, it frees existing power outlets to be used for other electronic equipment.

Simplicity is the greatest benefit of the EPS. Customers can plug powered or nonpowered devices into the network without worry. The Ethernet

Power Source's built-in intelligent device detection ensures that power is supplied only to cables that terminate 3Com powered devices. For example, you can supply all of your office cubicles with power using the EPS. Users can plug an NBX telephone into one jack and a PC into another. With the EPS, there's no need to manage which jacks provide power or which devices need power. And the easy-to-use 3Com EPS comes ready-to-use right out of the box.

The Ethernet Power Source also ensures maximum network and power availability for organizations that can't afford to lose voice or data services in the event of a power failure. By connecting the EPS to an uninterruptible power source, NBX telephones and 3Com wireless access points are protected from power outages, as well as power surges and spikes. Because the EPS supports long-term DC power backup to multiple phones and access points, healthcare facilities and customer service organizations can continue providing essential services, no matter what.

The Ethernet Power Source adds value and capabilities to existing networks, without the need for network changes or additional equipment. It delivers 24 volts of DC power to the network by using the spare pins in standard Category 5 Ethernet premise cabling; it works with all existing

Ethernet hubs, switches, and premise cabling, and can be installed virtually anywhere. For extra safety, the Ethernet Power Source provides overload protection, preventing potential damage or injury from faulty wiring or from foreign objects being inserted into powered LAN jacks.

Specifications

Dimensions and Weight:

Height: 76 mm (3 in)
 Width (with brackets): 483 mm (19 in)
 Width (without brackets): 441 mm (17.4 in)
 Depth: 300 mm (12 in)
 Weight: 5 kg (10.8 lb)

Power Requirements:

50/60 Hz, 90-240 V AC, 5 amps (maximum)

Power Dissipation:

75 watts (maximum)

Environmental Range:

Operating temperature: 0° to 50°C (32° to 144°F)

Configuration:

Ports: 12 or 24 ports

Safety:

CUL 1950
 EN 60950
 IEC 60950 (CB Scheme)

Emissions and Immunity:

EN 55022 Class B (CISPR 22 Class B)
 FCC Class B
 VCCI Class B
 EN 55024
 EN 61000-3-2
 EN 61000-3-3

Ordering Information

Ethernet Power Source

The 3Com EPS provides power directly to 3Com Ethernet devices, such as NBX business telephones¹ and wireless access points, from a central location using new or existing local area network cables.

3C10222	24-port
3C10220	12-port

NBX telephone power splitter

The NBX telephone power splitter is used with NBX telephone sets in conjunction with the EPS. The splitter allows power to be transferred from the powered pairs in the LAN cabling to the standard power jack on the bottom of the telephone set. The remaining pairs are forwarded to the phone's 10BASE-T jack.

3C10223	12-pack
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¹One NBX telephone power splitter is required per NBX telephone used with EPS.



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To learn more about 3Com solutions, visit www.3com.com. 3Com Corporation is publicly traded on Nasdaq under the symbol COMS.

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