

# PRONET CSX 900E ETHERNET SWITCHING CONCENTRATOR



The Client/Server eXchange (CSX) 900E Ethernet Switching Concentrator integrates high performance switching into shared LAN environments. It's the most affordable solution available for increasing network capacity and performance to meet the demands of power users and workgroups.

## **TURBO-CHARGED CLIENT/ SERVER CONNECTIVITY**

The CSX 900E uses an innovative architecture to bring economical, scalable switching to cost-conscious client/server workgroups. The CSX 900E integrates repeater hub and second generation LAN switching technologies into a single product that provides an order of magnitude throughput improvement over shared LAN hubs at a fraction of the cost of LAN switches. The CSX 900E microsegments 4 client ports into individual switching channels, with each channel having a full 10 Mbps of bandwidth. Servers get 10/100 Mbps 'fat pipe' connections for high speed, switched network access. The CSX 900E's fused technologies' architecture significantly increases the bandwidth available to boost network performance and reduce traffic congestion. By building on proven technologies, the CSX 900E

allows you to easily and simply integrate switching into your current networking infrastructure.

## **MORE PERFORMANCE FOR THE MONEY**

The use of application-specific integrated circuit (ASIC) technology enables the CSX 900E to deliver the most cost-effective, scalable switching solution on the market. The CSX 900E features 24 "private" 10BaseT ports for single client port connectivity. Two 10/100 BaseTx Mbps ports are also provided for dedicated, switched connections to servers, daisy chain expansion, high speed backbone uplinks, or lower speed, shared LANs. You get all this for a price substantially less than other high-speed networking alternatives.

## **INSTALLATION AND MANAGEMENT THE EASY WAY**

The plug-and-play design of the CSX 900E makes it extremely easy to install and use. There are no user settings required, so the CSX 900E installs as easily as a 10BaseT hub. The two, high speed switched ports are auto-sensing and auto-configuring to further simplify system setup. The CSX 900E is self managing, and comes with a full set of front panel LEDs for system status at a glance. What's more, the CSX 900E works with your existing computer systems' hardware and software, internet-working equipment, and cabling — no changes are required. And, the CSX 900E is backed by a limited, lifetime warranty.

## **EXPANDABILITY**

The CSX 900E can be extended for additional users and network connectivity. CSX 900E Switching Concentrators can be daisy chained together to support over 96 client ports and two high speed (10/100 Mbps) switched ports. The high speed ports can be connected for server access, a high speed uplink, or connectivity to other shared LANs.

## **STORE-AND-FORWARD SWITCHING**

The CSX 900E employs store-and-forward switching for reliable and efficient data transmission. This switching method maximizes network utilization by filtering out bad frames and ensuring that only error-free data is forwarded across the network. Store-and-forward switching is also the only method that can support switching in mixed speed (10/100 Mbps) or mixed duplex (half/full) environments.

## **PRONET CSX 900 CLIENT/ SERVER SWITCHING FAMILY**

The CSX 900E is a member of Proteon's new CSX 900 Client/Server family of high performance workgroup, premises, and enterprise switching products. These solutions deliver the performance, dependability, and affordability you need to support your network today and extend your network into the future.

**SPECIFICATIONS:**

<b>DIMENSIONS</b>	H: 2.63", W: 17", D: 11.5" (6.7 x 43.2 x 29.2 cm) Fits 19" data equipment rack mounts
<b>WEIGHT</b>	8 lb
<b>PORTS</b>	24x10BaseT private ports (RJ-45) (4 ports per switched channel) 2 x 10/100BaseTx (RJ-45) (switched, half/full duplex)
<b>MEDIA SUPPORT</b>	UTP Category 3 and above
<b>TRANSMISSION RATE</b>	10Mbps or 100 Mbps
<b>MAC ADDRESSES</b>	10BaseT ports: 1 MAC per port 10/100BaseTx ports: shared LAN/unlimited
<b>FORWARDING METHOD</b>	Store-and-forward
<b>AGGREGATE THROUGHPUT</b>	260 Mbps (all ports in normal half-duplex mode)
<b>ARCHITECTURE</b>	Shared Bus/640 Mbps throughput
<b>FILTER/FORWARD RATE</b>	14,880 packets per second (10 M ports) 148,800 packets per second (10/100 M ports)
<b>PACKET BUFFERS</b>	256 Kbytes per 10 M switch channel 1 Mbyte per switch channel (10/100 M ports)
<b>PACKET FILTERING</b>	Source/destination address Broadcast/multicast address
<b>OPERATING TEMPERATURE</b>	0° C to 41° C (32° to 105° F)
<b>HUMIDITY</b>	5% to 95% (non condensing)
<b>POWER</b>	85-265 VAC/47-63 Hz
<b>CERTIFICATIONS</b>	
<b>EMC</b>	FCC Class A; CISPR Class B
<b>SAFETY</b>	UL, CSA, TUV/GS/EN CE Mark
<b>STANDARDS COMPLIANCE</b>	IEEE 801.d leaf node IEEE 802.3

**ORDERING INFORMATION:**

P900-8000

CSX 900E Ethernet Switching Concentrator

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