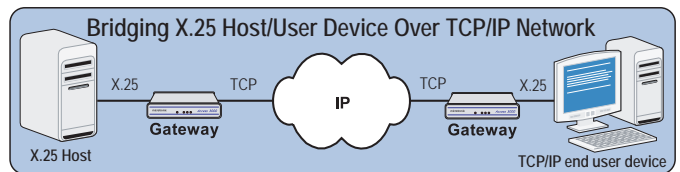
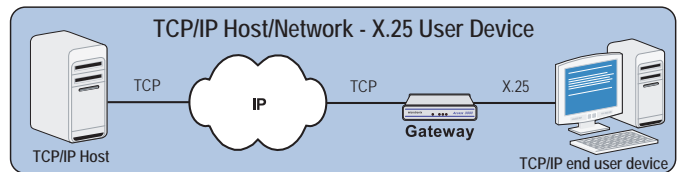
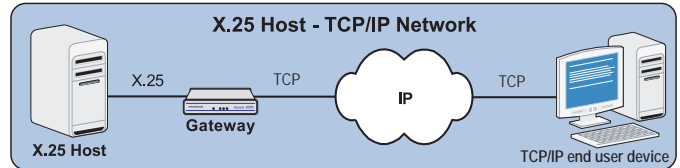




### Product Brochure

#### Overview

- X.25 to TCP/IP Conversion Gateway
- TCP/IP to X.25 Conversion Gateway
- X.25 over TCP (XOT) Encapsulation Gateway
- X.3/X.28/X.29 PAD
- X.25 Switching
- Frame Relay
- ISDN Terminal Adapter
- TCP Terminal Server



#### DESCRIPTION

The *Access 3000 X.25/TCP Gateway* offers comprehensive solutions to a migration from X.25 networking to TCP/IP networking. The two basic types of Gateway are X.25 to TCP conversion and X.25 over TCP encapsulation.

#### X.25 TO TCP CONVERSION

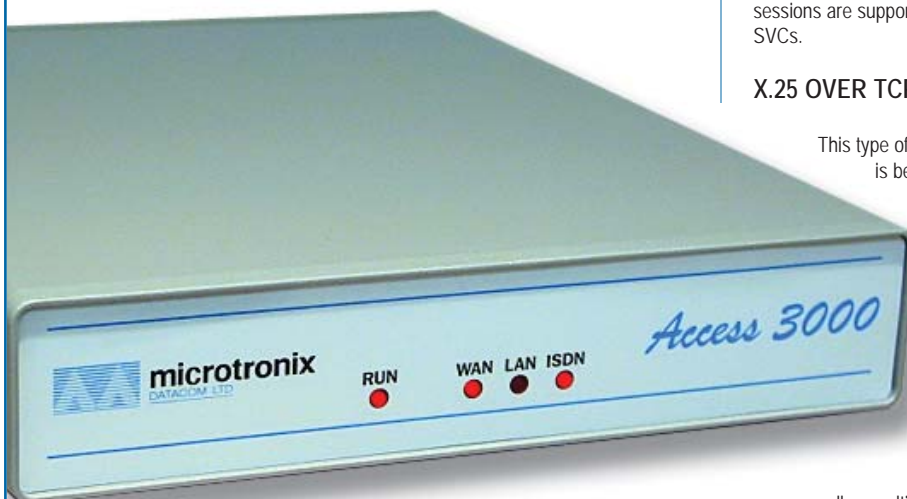
The X.25 to TCP conversion Gateway interfaces X.25 devices to TCP/IP devices. The Gateway terminates each protocol stack and interconnects sessions between them. This interconnection may be as simple as data-only transfer, or more complex like "message boundary preservation" for X.25 M-bit packet sequences, and message conversion for packets like interrupt and Q-bit data. These latter methods require modest modification to the TCP/IP application. When there is an intervening network between the devices, the Gateway can be co-located with either device that requires translation to the network topology. The Gateway can connect directly to X.25 devices or the X.25 network.

Multiple X.25 devices can be concentrated in a single Gateway. Multiple gateway sessions are supported across a distributed network, using both X.25 PVCs and SVCs.

#### X.25 OVER TCP (XOT) ENCAPSULATION / TUNNELING

This type of gateway is used when the X.25 network between X.25 devices is being replaced with an IP-based network. By tunneling the X.25 packet layer over TCP, the gateway allows for seamless integration without modification or re-configuration of the X.25 devices. All network addressing is preserved. By transporting the packets, the gateway preserves all of the options of the X.25 protocol. This is especially important when the call request packet contains options that cannot be converted to TCP, or when special packets like Q-bit data and interrupt packets are used by the application.

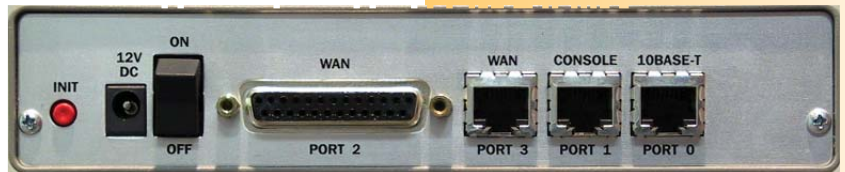
An X.25-TCP Gateway is required at each site where X.25 devices are located. Multiple X.25 ports on the Gateway allow multiple devices to be concentrated.



## TECHNICAL SPECIFICATION

KEY SOFTWARE FEATURES	BASE HARDWARE FEATURES
<ul style="list-style-type: none"> <li>• Gateway connectivity between X.25 and TCP/IP networks</li> <li>• SVC and PVC supported</li> <li>• Powerful matching table promoting connectivity of large networks</li> <li>• Extensive Telnet/X.3/X.29 configurability to facilitate logons</li> <li>• Reverse Telnet &amp; pseudo terminal server</li> <li>• SNMP support</li> <li>• IP routing across Frame Relay, PPP, ISDN</li> <li>• Serial to TCP/IP support for terminal server applications</li> <li>• Interface tracing</li> <li>• Telnet remote management</li> </ul>	<ul style="list-style-type: none"> <li>• V.24/V.35 WAN port (up to 2Mbps)</li> <li>• RS-232 sync/async serial port (up to 128 Kbps)</li> <li>• RS-232 serial/console port</li> <li>• 10-BaseT Ethernet port</li> </ul>
	ISDN FEATURES (OPTIONAL CARD)
	<ul style="list-style-type: none"> <li>• ISDN BRI "U" interface (2B+D)</li> <li>• D-channel: Q.921/LAPD, Q.931, X.25</li> <li>• B-channel: X.25/X.32, FR, PPP, V.120, RAW</li> </ul>

The -48VDC model ships with an additional DC power connection cable but with no desktop Power Adapter. The 5881-PS-4810A, -48VDC power supply is only required when DC power is not available.



## ORDERING INFORMATION

PART NUMBER	DESCRIPTION
3000-S04	Access 3000 X.25/TCP Gateway (AC adapter)
3000-IU-S04	Access 3000 X.25/TCP Gateway with ISDN (AC adapter)
3000-N-S04	Access 3000 X.25/TCP Gateway (-48VDC powered, NEBS)
3000-1U-N-S04	Access 3000 X.25/TCP Gateway with ISDN (-48VDC powered, NEBS)
5881-PS-4810A	110-240VAC to -48VDC Desktop Power Adapter

The Access 3000 X.25/TCP Gateway (AC version) ships with the following accessories:

- M9000-CC: RJ45-DB25F (6') - Async console or serial port cable
- 811-04: DB25M-DB25M (1.5') - DCE-DCE Null Modem cable
- 5881-68-121P-1: Access 3000 120VAC to 12VDC, 1A Wall Power Adapter

### Where to Buy

This product is available online from: Microtronix webstore and through Microtronix authorized distributors.

Distributor / Representative:



Contact Randy Gilly for a complete list of available products at: 973-402-8282 x114 or email: rgilly@aeciusa.com



#### North American Head Office:

9-1510 Woodcock Street  
London, Ontario N6H 5S1  
CANADA  
Tel: +1 519 690-0091  
Fax: +1 519 690-0092

#### United States:

San Jose  
California  
+1 408 307-4562

#### Europe:

Oosterhout  
The Netherlands  
+31 162 714017