Digital Cross Connect Unit

Model 2604 4-Port T1/E1 DACS

Patton's Model 2604 Quad DACS terminates 4 T1/E1 connections and supports Any-to-Any non-blocking cross-connection of 124 DS0s.

Switch up to 120 64-kbps Channels

Any-to-Any cross-connection of up to 120 data channels over 4 T1/E1 ports

Versatile T1/E1 Grooming Facilities

DACS, DS0 aggregation, or E1 over T1 transport—all in one box

Built-in SNMP/HTTP Management

Use your favorite Web or NMS browser to configure and monitor the Model 2604

Dual-redundant Power Supplies

Uninterrupted operation and service with dual load-sharing power supplies...standard

Complete Alarm Facilities

Multiple, configurable alarms, reporting via remote SNMP traps, front panel LEDs, 3-contact relay, and NMS pages

Compact 1U Chassis

Convection cooled design allows stacking with no fans or other moving parts to fail

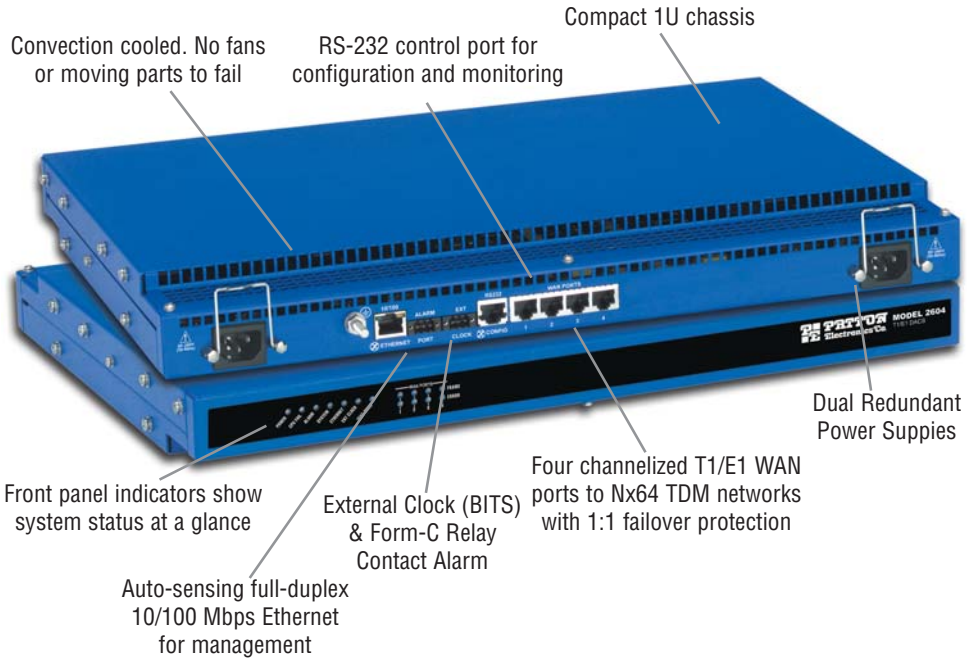
The Model 2604 DACs is the ideal tool for managing and maximizing the allocation of 64-kbps DS0 channels in under utilized lines. Reducing the cost-per-channel and freeing bandwidth for growth, enterprise customers can concentrate data services from local T1 and E1 lines onto fully utilized local loop WAN uplink connections with complete control and ease of use.

The Model 2604 comes in a sleek, 1U high, 19-in. chassis for convenient installation in standard telco racks. Dual-redundant power supplies ensure uninterrupted operation and service. Four RJ-48C connectors provide standard T1 and E1 interfaces to network and local lines, while RS-232 console and 10/100Base-T ports enable complete control via in-band, out-of-band, and craft management interfaces. A comprehensive set of alarms help network personnel quickly isolate failures and minimize down time.

Special Rates Available
Call for Details

The Model 2604 Digital Cross Connect Unit combines a robust hardware platform with a rich set of software features to deliver a flexible multiplexing solution for cross-connection, DS0 grooming, and T1 to E1 conversion applications.

For more information, visit us at www.patton.com.



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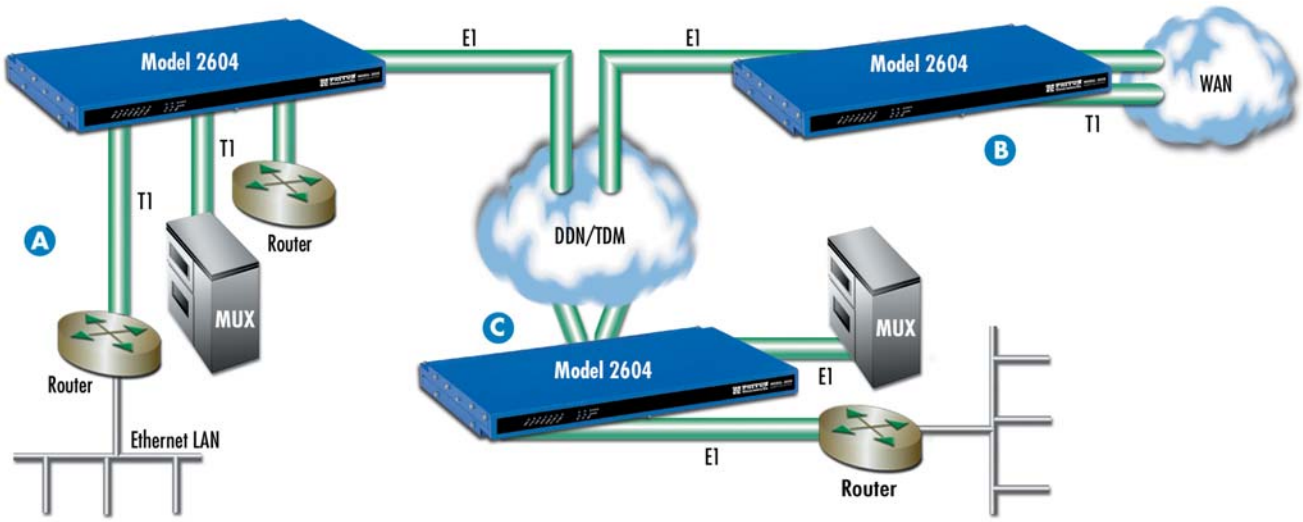
Applications

The Model 2604 flexible hardware and software architecture enables customers to deploy it in a number of applications ranging from simple local switching of T1/E1 lines, aggregation of DS0 from local T1/E1 lines, or E1 DS0 transport over T1.



T1/E1 Aggregation. Medium-size enterprises can aggregate and groom time slots from up to three partially used local T1/E1 lines onto a single outgoing link. This capability enables routers, MUXs, and other network devices dispersed over the campus area to efficiently use a single T1/E1 line for network access.

T1/E1 Conversion. In situations where T1 and E1 networks converge, ports on the Model 2604 can be configured as E1 or T1 interface. This feature provides the capability for mapping and transparently transport T1 64 kbps time slots over E1 lines, and up to 24 E1 channels per T1 line.

Wide Area Deployment—Local Switching. In a wide area deployment, medium- and large-size enterprises can use the Model 2604 for local timeslot switching from multiple local or remote T1/E1 lines. The Model 2604 HTTP/SNMP flexible management allows provisioning and monitoring of switching sites from any remote or central location.

Specifications*

WAN ports
4 configurable WAN ports: T1 (AMI/B8ZS line coding), or E1 (HDB3/AMI line coding)

Ethernet port
10/100Base-T (RJ-45 connector) for management

WAN Clocking
Internal, Network (from T1/E1 WAN port), External BITS (Building Integrated Timing Supply) Clock Source via 3-pin terminal block

Front Panel
Indicators LEDs for power, CPU, system, Ethernet, External clock, test mode, DSL, and WAN ports frame and error status

Power Supplies
Dual-redundant universal AC/DC (fixed); AC power: 90–264VAC (50/60 Hz); DC power: -36 to -72VDC

Management Services
HTTP, SNMP, TELNET Ethernet, RS-232 Console Port, SYSLOG Client, Remote Software Upgrade via FTP

Alarm Reporting
Configurable alarms; Remote SNMP Traps; Front Panel LEDs; 3-Contact Relay (3-pin terminal block)

Compliance
Safety: UL/CSA per UL1950 (METS) Canadian cMET and CS-03. EMC Directive 89/336/EEC, Low-Voltage Directive 73/23/EEC (EN 60950), Environment FCC Part 15,CE Mark, CTR12, CTR13, FCC Part 68.

Environment
Operating temperature: 0–40°C (32–104°F); Humidity: 5–90% non-condensing

Dimensions
48.25 W x 32.00 D x 4.44 H cm (19.00 W x 12.60 D x 1.75 H inches)

* Specifications subject to change without notice.

07MD2604-DS2

PE-Inalp Networks Private Ltd
An Associate of PATTON Electronics Co., USA
Old No. 14 and New No.6,
Brahadambal Road,
Nungambakkam High Road
Chennai: 600 034, India
Phone **+91 44 45490395/6/7**
Fax **+91 44 4549.0394**
Email **sales@patton.co.in**
Web **www.patton.co.in**

Patton-Inalp Networks AG
Meriedweg 7
CH-3172 Niederwangen
Switzerland
Phone **+41 (31) 985 25 25**
Fax **+41 (31) 985 25 26**
E-mail **sales@inalp.com**
Web **www.inalp.com**

Patton Electronics Co.
7622 Rickenbacker Drive
Gaithersburg, Maryland 20879
USA
Phone **+1 301 975 1000**
Fax **+1 301 869 9293**
E-mail **sales@patton.com**
Web **www.patton.com**