

DataSMART® 656 Single-port T1



Flexible T1 DSU/CSU for data or other high-speed serial applications

The DataSMART® 656 single-port DSU/CSU is designed to cost-effectively connect your LAN to your corporate network or to the Internet. This DataSMART operates at T1 and fractional T1 rates from 56k to 1.536 Mbps in increments of Nx56 or Nx64 Kbps. The DataSMART 656 operates on point-to-point or Frame Relay networks.

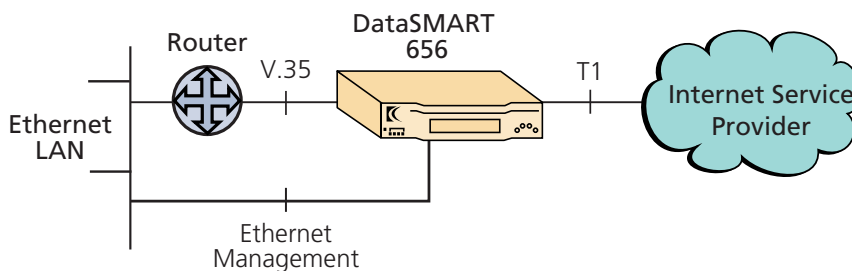
The DataSMART 656 is easy to install and maintain using the front panel LCD display or via Telnet or SNMP. The front panel LCD and LEDs indicate signal status and alarms while multiple loopbacks aid troubleshooting. Independent BERT functionality allows the user to send and detect varying test codes.

Fully SNMP compliant, the DataSMART 656 can be managed by any SNMP manager. Built in Ethernet and RS-232 control ports provide management interface for local management. In-band management allows end-to-end visibility in most networks.



Features

- **Connects router, video, or any other serial application**
- **Supports SNMP and Telnet**
- **Built-in Ethernet management port**
- **Works with T1 and ISDN PRI circuits**
- **Extensive loopbacks and independent BERT**
- **Front-panel LCD display**
- **5-year warranty**



The DataSMART 656 quickly and easily provides managed connectivity for data or other high-speed serial applications.



SPECIFICATIONS

NETWORK INTERFACE

Line Rate	Internal or external clock; 1.544 Mb/s ± 50 bps
Line Code	AMI or B8ZS (selectable)
Line Impedance	100 ohms ± 10 ohms at 772 kHz
Lightning Protection	Withstands lightning surges defined per FCC Part 68 and recovers
Framing Format	SF or ESF per ANSI T1.403-1989, and TR-54016-1989; Ericsson Framing (defined as valid FT bits only)
Input Level	DSX-1 to -27.5 dB
Input Jitter Tolerance	Per TR 62411-1990 (p.4.7.1)
Output Level	Per ANSI T1.403-1995 3.0 Volt peak ± 10% into 100 ohms at output connector
Input Signal	Tolerant to impedance mismatches
Line Build Out	0, 7.5, 15.0 selectable
Output Jitter	TR 62411-1990 (p.4.7.3)
Mechanical	DA15P (DB15 male)

DATA PORT INTERFACE

Bit Rates	56 kHz to 1536 kHz
Mechanical	34-pin MRAC34S connector
Electrical Interface	V.35 compatible
Interface Type	DCE

MANAGEMENT

Control Ports	DE9 Plug (DTE); DE9S Socket (DCE)
Baud Rates	2400, 9600, 19200, 38400
SNMP Agent	MIB II (RFC 1213), DS1 MIB (RFC 1406), Enterprise MIB (available at www.kentrox.com). Telnet Server; responds to PING; security filter for IP source addresses; up to 10 SNMP trap hosts
In-band	FDL or dedicated DSO

REGULATORY

FCC Compliance	Part 68, Part 15, Class A
NRTL listed	UL 1950, 3rd edition
CSA	22.2, No. 950
IC	CS-03

ENVIRONMENT

Operating	0° to 50° C (5% to 90% RH, non-condensing)
Storage	-20° C to 66° C (5% to 65% RH)
AC Input Range	85 to 130 VAC, 47 to 63 Hz
Power Interruptions	Loss of power does not damage the unit. Loss of power for less than 5 years does not change the configuration settings which may have been set by the user. Loss of power for less than 2 hours (nominal) does not affect the real-time clock setting.

POWER

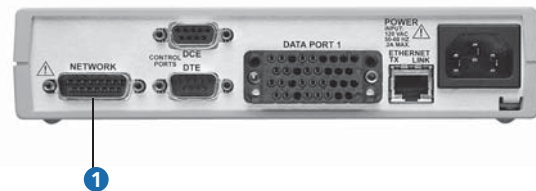
AC	115 VAC, 60 Hz, 7W
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PHYSICAL

Usage	Desktop or tray mount
Dimensions	7.75" W x 1.65" H x 11.5" D
Weight	2.5 lbs (approx.)

WARRANTY

Hardware	5 years
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Protect your network investment with support plans and technical training

To keep your network healthy and productive, Kentrox offers maintenance options. Additionally, Kentrox technical training courses are available online, at your site, or at the Kentrox campus to help you get the most out of your Kentrox products. For details, visit our website at www.kentrox.com/support.

ORDERING INFORMATION

DESCRIPTION	CATALOG #
DataSMART 656 T1 DSU/CSU	72656
19" mounting tray for 2 units	78480

CABLES AND ACCESSORIES CATALOG

1 To Network	
DA15S to RJ48CP cable	930xx151
DA15S to RJ48C jack adapter (ships with unit)	77891

KENTROX MAINTENANCE OPTIONS CATALOG

Basic 5x8 electronic support	ServicePack1-Enterprise
Standard 24x7 NBD	ServicePack2-Enterprise
(next business day - covers out of warranty advance replacements)	

For more information, visit www.kentrox.com, email info@kentrox.com or call **800-733-5511** or **+1 614 798 2000**.

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