COMSPHERE®
3825*PLUS*
SOFTWARE-DEFINED (SD)
33.6 Kbps V.34 MODEM

B E N E F I T S

- **SAVES TIME AND MONEY.** AT 33.6 Kbps, THE 3825*PLUS* SAVES TIME AND MONEY ON THE PUBLIC NETWORK

- **ECONOMICALLY EXTENDS FUNCTIONALITY.** REMOTE END USERS CAN NOW TAKE ADVANTAGE OF THE SAME FULL-FEATURED FUNCTIONALITY THAT CORPORATE NETWORK USERS REQUIRE

- **PROTECTS YOUR INVESTMENT.** COMPLETELY RECONFIGURABLE; ACCEPTS UPGRADES AND ENHANCEMENTS VIA SIMPLE SOFTWARE DOWNLOADS

- **SIMPLIFIES CONTROL.** QUICKLY CONFIGURE OR CLONE COMSPHERE MODEMS REMOTELY FROM A CENTRAL LOCATION

- **NETWORK MANAGED.** MANAGE, TEST, TROUBLESHOOT, AND GATHER INFORMATION FROM REMOTE COMSPHERE MODEMS WITH THE COMSPHERE 6700 NMS

- **SECURES DATA.** TWO LEVELS OF PASS-WORDS, A CALL SCREENING/CALL BACK FEATURE, AND SILENT ANSWERING GIVE YOUR DATA TRANSFERS SEVERAL LEVELS OF SECURITY

- **UNSURPASSED PERFORMANCE AND RELIABILITY.** 3825*PLUS'* TECHNOLOGY HAS UNDERGONE EXTENSIVE TESTING TO ASSURE ACCURACY, RELIABILITY, AND UNSURPASSED COMPATIBILITY

Introducing the COMSPHERE 3825*Plus*, Paradyne's fastest, most affordable business modem. The 3825*Plus* gives you 33.6 Kbps in a compact, easy-to-use unit that measures just 6 x 9 inches. Designed especially for business use between remote home and small office users and their corporate network locations, the 3825*Plus* is packed with robust features. For example, the 3825*Plus* is completely software upgradeable and configurable, so your whole fleet of modems can take advantage of firmware upgrades and feature enhancements through simple software downloads that can be done via the telephone line! With the 3825*Plus*, you won't have to spend needless time and money replacing chips or sending units back for factory upgrades.

Managed by the COMSPHERE 6700 Network Management System (NMS), the 3825*Plus* is easy to maintain and support. The special security features of double passwords, call-back screening, and silent answering minimizes unauthorized users. Twenty-four-hour technical support ensures you'll get all the assistance you need to keep your modems up and running. By combining Software-Defined (SD) modem architecture and V.34+ modulation, with competitive pricing, the 3825*Plus* is the perfect choice to meet your business' growing and changing network requirements. It is also the ideal solution for after-hours, telecommuting, and work-at-home business users.

PARADYNE™

F E A T U R E S

- OPERATES AT 33.6 Kbps, MAKING IT 17 PERCENT FASTER THAN STANDARD V.34 OR 28.8 MODEMS

- USER-FRIENDLY CONFIGURATION AND CONTROL CAPABILITIES VIA NMS OR AT COMMANDS

- ENHANCED ASYNCHRONOUS DATA PERFORMANCE WITH ITU V.42bis OR MNP 5 DATA COMPRESSION

- COMPLETE, 100 PERCENT DATA INTEGRITY WITH ITU V.42 OR MNP 2-4 ERROR CORRECTION

- REMOTE CONFIGURATION, CONTROL, AND STATUS VIA THE COMSPHERE 6700 NMS OR A REMOTE 3800 CONTROL PANEL

- FULL COMPLEMENT OF SELF TESTS, LOCAL AND REMOTE LOOPBACKS, INCLUDING COMPLIANCE WITH ITU V.54

- SOFTWARE-DEFINED ARCHITECTURE FOR FIRMWARE AND OPTIONAL FEATURE DOWNLOADS

- MODULATES AT V.34+*, V.34, V.32*terbo**, V.32bis, V.32, V.22bis, V.22, 212A, 103J, AND V.21

- DIALING CAPABILITIES INCLUDE ITU V.25bis, AT COMMANDS, AND 6700 NETWORK MANAGEMENT

- CELLULAR DATA SUPPORT VIA ENHANCED THROUGHPUT CELLULAR (ETC®) PROTOCOL

- FAX SUPPORTS GROUP 3, CLASS 1, AND CLASS 2 FAX

SPECIFICATIONS

Data Line Modulations
V.34+*, 33.6 Kbps, 31.2 Kbps Trellis Coded Modulation (TCM) synchronous/ asynchronous
ITU V.34, 28.8 Kbps, 26.4 Kbps, 24 Kbps, 21.6 Kbps, 16.8 Kbps, 14.4 Kbps, 12 Kbps, 9.6 Kbps, 7.2 Kbps, 4.8 Kbps and 2.4 Kbps TCM synchronous/ asynchronous
V.32*terbo**, 19.2 Kbps, 16.8 Kbps TCM, synchronous/ asynchronous
ITU V.32bis, 14.4 Kbps, 12 Kbps, 9,600 bps, 7,200 bps TCM, 4,800 bps Quadrature Amplitude Modulation (QAM), synchronous/asynchronous
ITU V.32, 9,600 bps, 4,800 bps QAM, synchronous/asynchronous
ITU V.22bis, 2,400 bps QAM, synchronous/ asynchronous
ITU V.22, 1,200 bps QAM, synchronous/asynchronous, Differential Phase-Shift Keyed (DPSK)
AT&T 212A 1,200 bps, synchronous/asynchronous, DPSK
AT&T 103J 300 bps, asynchronous, FSK
ITU V.21, 300 bps, asynchronous, FSK

Fax
Group 3, Class 1, Class 2, V.17, V.29, V.27ter Quicklink II software included

Auto-Mode
V.34+, V.34, V.32*terbo**, V.32bis, V.32, V.22bis, V.22, AT&T 212A, 103J

Auto Rate (Fall back/forward)
33.6 Kbps, 31.2 Kbps, 28.8 Kbps, 26.4 Kbps, 24 Kbps, 21.6 Kbps, 19.2 Kbps, 16.8 Kbps, 14.4 Kbps, 12 Kbps, 9,600 bps, 7,200 bps, and 4,800 bps

DTE Rates (Asynchronous)
115.2 Kbps, 76.8 Kbps, 57.6 Kbps, 38.4 Kbps, 28.8 Kbps, 19.2 Kbps, 14.4 Kbps, 12 Kbps, 9,600 bps, 7,200 bps, 4,800 bps, 2,400 bps, 1,200 bps, and 300 bps

DTE Interface
EIA/TIA 232E/ITU V.24/ISO 2110

Special Functions
20-Number Password Access Security Directory

V.13 Simulated Carrier Control
V.14 Asynchronous-to-Synchronous Conversion
UNIX CD Wink

Power Requirements
117 VAC + 10 percent, 60 Hz or 220-240 VAC +/- 10 percent, 50 Hz or 60 Hz

Power Consumption
COMSPHERE 3825*Plus* (including power adapter-speaker off) uses 6 watts

Dimensions
Weight: 1.3 lbs. (shipping wt. 4.2 lbs.)
Height: 1.25 inches (3.0 cm)
Width: 6.0 inches (15 cm)
Depth: 8.75 inches (22 cm)

Error Control
ITU V. 42
MNP 2-4

Data Compression
ITU V.42 bis
MNP Class 5

Certification
Telco
FCC Part 68 (USA)
DOC (Canada)

Safety
UL (USA)
CSA (Canada)

Emissions
FCC Part 15, Subpart J, Class B AW2 3825

* V.34+ and V.32terbo are Paradyne proprietary modulations.

MOD-3825-2-0297

PARADYNE™