

326X FAST Sunrise Series Modems

KEY FEATURES

- AT, LPDA-2, and V.25bis command set automatic calling interfaces via front panel or network management system.
- ITU V.8 Automode allows for automatic selection of modulation types and speed on call connection.
- V.42 error correction supports CCITT LAP-M and MNP class 4.
- Adaptive Rate System (ARS) continuously adapts modem rates to optimize throughput independent of prevailing line conditions.
- Easy use of Remote Configuration (via network management, front panel, and AT commands) allows network to be utilized to its maximum potential.
- Password & Callback security controls unauthorized access.
- Network Management Ready: network can adapt to growth and change.

OPTIMUM PERFORMANCE

The **Raymar-Telenetics** 326XFast V.34 technology offers optimum performance over any given telephone circuit with clear channel speeds to 33.6Kbps in synchronous and 115.2Kbps in asynchronous environments. The V.34 standard combined with **Raymar-Telenetics** reputation of quality and reliability, makes this family of network managed standalone and rackmount modems, ideal for all serious dial and leased line applications.

The 326XFast modem family also incorporates Synchronous Data Compression (SDC) as a standard feature. The unique SDC feature combined with V.34 delivers up to 128Kbps performance synchronous traffic over standard voice grade analog lines.

APPLICATIONS

Accelerated speeds make this product family ideal for router to router and LAN internetworking applications, SNA networks, X.25 networks, disaster recovery, as an alternative to digital services, dial backup and more. Whether the application requires dedicated bandwidth or bandwidth on demand, SDC provides the best throughput for all HDLC/SDLC environments.

MODULATION

The **Raymar-Telenetics** V.34 Sunrise Series modems incorporate the very latest in modulation technologies which includes:

- V.8 standard modem initialization
- Pre-Coding
- Multi-dimensional Trellis Coding
- Line Probing
- Adaptive Power Control
- Adaptive Pre-Emphasis

These technologies give users the best transmission speeds possible. These technologies are critical for successful performance at 33.6Kbps speeds for users dialing into a network where phone line quality may be less than optimum.



326XFast delivers clear channel speeds to 33.6Kbps synchronous and 128Kbps asynchronous.

326XFast SDC delivers up to 128Kbps for both sync/asynch over standard voice grade analog lines.

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326X FAST / SUNRISE SERIES MODEMS

PRODUCT SPECIFICATIONS

Compressed Mode Transmission Rates:	128.0, 115.2, 96.0, 76.8, 64.0, 38.4, 28.8, 14.4, 12.0, 9.6, 7.2, 4.8, 2.4Kbps (+0.01% Sync. for all speeds except: 56Kbps-.35%, 21.6Kbps +.08% and 16.8Kbps-.1%) (2.5% async.) 1.2Kbps and 300bps also supported in asynchronous only (+2.5%)		
Non-Compressed Mode Transmission Rates:	33.6, 31.2, 28.8, 24.0, 21.6, 19.2, 16.8, 14.4, 12.0, 9.6, 7.2, 4.8, 2.4, 1.2Kbps (+0.01% Sync.) (+/-2.5% async.) 300 also supported in asynchronous only (+2.5%)		
Operating Modes:	V.34, V.32bis, V.32, V.22bis, V.22, V.21, Bell 212, Bell 103 (model dependent)		
Line Types:	• 2-wire dial line operation • 2/4 wire leased line operation (model dependent)		
Error Correction:	V.42, LAP-M & MNP4		
Data Compression:	V.42bis and MNP5		
Power Requirements:	Modular Nest 9 @ 115/230 VAC: 90 VAC to 132 VAC, 5.0 A (rms) 180 VAC to 264 VAC, 3.0 A (rms) 47 to 63 Hz, single phase	Modular Nest 21 @ 115/230 VAC: 90 VAC to 132 VAC, 11.0A (rms) 180 VAC to 264 VAC, 7.0 A (rms) 47 to 63 Hz, single phase	Modular Nest 21 @ -48 VDC: -42 VDC to -66 VDC, 17 A

PHYSICAL DIMENSIONS

STANDALONES 3260 / 3261 / 3265 / 3266

Height:	2.3 in (5.8 cm)
Width:	6.6 in (16.8 cm)
Depth:	9.6 in (24.4 cm)
Weight:	Varies by model

NEST CARDS 3262 / 3263 / 3267 / 3268

<i>Modular Nest 9 (9 card slots):</i>	
Height:	14.5 in (36.8 cm)
Width:	8.7 in (22.1 cm)
Depth:	20.5 in (52.1 cm)
Weight (empty):	35 lbs (15.9 kg)
Weight (fully configured):	52 lbs (23.6 kg)
<i>Modular Nest 21 (21 card slots):</i>	
Height:	14.0 in (35.6 cm)
Width (body):	17.8 in (45.2 cm)
Depth:	20.75 in (52.7 cm)
Weight (empty):	48 lbs. (21.8 kg)
Weight (fully configured):	87 lbs (39.5 kg)

TRANSMITTER SECTION

Output Level Tolerance:	+/-1.0db
Output Level:	country dependent
Timing:	Selectable internal, external, loopback

ENVIRONMENTAL

Operating Temperature:	+32° to 122° F (0° to 50° C)
Storage Temperature:	-40° to 158° F (-40° to +70° C)
Relative Humidity:	0 to 95% non-condensing

CERTIFICATION COMPLIANCE

Safety:	UL 1950, CSA 950, TUV, IEC 950
Telecom:	Country compliance as required
EMI/RFI Emissions:	CISPR 22 Class A VDE 0878, Class A (German model)



Back



Front



Manufactured in the USA by RAYMAR-TELENETICS

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WARRANTY

Raymar-Telenetics manufactured products are warranted against defects in hardware material and workmanship under normal use for one (1) year from date of original retail purchase. Defective product will be repaired or replaced, determination to be made by Raymar-Telenetics, at no charge. Repaired or replaced products are warranted for 90 days or for original warranty period, whichever is longer. Warranty extends to original end-user only.

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