

## **3460 Fast'R Modem**

This 3460 FastR Series of network modems offers optimum performance over any telephone circuit with speeds up to 33.6Kbps and actual throughput up to 230.4Kbps.

### **FEATURES:**

#### Compliance to Industry Standards

Ensures interoperability and compatibility.

#### Complies to Relevant Safety & Emissions Standards

Available world wide.

#### Flash Memory

Easy upgrade of 3460 Fast'R software releases.

#### Fast'RVu Windows based PC Application Software

Simple and quick installation of central sites - in just minutes!

Pull-down, menu driven GUI Interface for configuration, test and real time modem status and line quality of both local and remote modems saves valuable time and costly mistakes - anyone can easily set-up and monitor the 3460 Fast'R modems.

#### 9000 UX or PC SNMP management

Full management including extensive user programmable alarms on a wide variety of operational and performance parameters. Reports and statistics on faults and utilization, facilitates optimization of dial pool resources to maximize user satisfaction.

#### Speed bars

At-a-glance status shows modem performance. Provides configured and actual line rate and throughput.

#### Adaptive Rate System (ARS) Automode, Autobaud

Years of modem experience have produced one of the industry's best algorithms for selecting the optimum modulation scheme, the highest DTE rates, and automatically falling forward and back data rates to ensure the highest error free data throughput

## Extensive security features

Controls unauthorized access - freezes out hackers

## Integral Circuit Quality Monitoring System (CQMS)

Real time line statistics for pro-active network management

## V.54 diagnostic test suite

Industry standard tests isolate any degradation in network performance

## Customer Support

Service and support worldwide when you need it

## Transmission Rates:

33.6, 31.2, 28.8, 26.4, 24.0, 21.6, 19.2, 16.8, 14.4, 12.0, 9.6, 7.2, 3.8, 2.4, 1.2Kbps (+0.01% sync; +/-2.5% asynch). 300 bps in asynch only.

## Operating Modes

V.34, V.32bis, V.32, V.23, V.22bis, V.22, V.21, Bell 212, Bell 103

## Calling Interfaces

Hayes AT and ITU-T V.25 bis (synchronous only)

## Line Types

2-wire dial line or 2/4-wire leased line

## Error Correction & Data Compression

V.42, LAP-M & MNP 4; V.42bis & MNP 5

## Transmitter Section

Output level tolerance: +/- 1.0 dB

Output level: country dependent

Timing: Selectable internal, external, loopback

## Environment

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/Approvals

Safety: UL 1950, CSA 950, IEC 950, EN60950

Telecom: Country compliance as required, including FCC Part 68 (U.S.), IC-CS-03 (Canada), JATE, BABT

EMC Compliance: Standalone - FCC Part 15, Class B; CISPR 22 and EN 55022, Class B; AS 3548, Class B; EN

50082-1 Nest and Dual Modem Cards - FCC Part 15, Class A; CISPR 22 and EN 55022, Class A; AS 3548, Class A; EN

50082-1

CE marked for compliance to the EU LVD, EMC, and TTE directive

#### Physical

AccessWay for 3460 Fast'R

- Size (H x W x D): 7"x 19"x10.5" (cm: 17.78 x 48.26 x 26.7)
- Power: 100/120/220/240 VAC nominal (switch-selectable),
- Frequency: 50/60 Hz or -48V DC nominal (redundant)

3460 Fast'R Standalone (H x W x D): 1.75" x 6.75" x 9.6" (cm: 4.45 x 17.15 x 24.38)

3460 Fast'R Nest Cards (H x W x D): 9" x 6.75" x 9.6" (cm: 22.86 x 17.15 x 24.38)

#### Power Requirements

Standalone: 9V AC, 50/60 Hz, 800 mA

Nest: 100/120/200/240V AC, 50/60 Hz, 1.2/1.0/0.6/0.5 A

A field-proven performer. High-speed, accurate, reliable V.32bis lease/dial modem offers you state-of-the-art 14.4 kbps performance.

Delivers 57.6 kbps throughput with advanced V.42bis data compression.

Friendly LCD front panel for interactive fingertip control, plus 32-character display and 9 preset factory option sets.

Easy remote configuration allows network managers to configure unattended remote network modems.

Advanced Single Line Restoral (SLR) automatically dials prestored number for dial line connection if your lease line fails.

Cost-saving autodialer with integrated V.25bis eliminates the need to purchase expensive 801 auto-dialing equipment in select IBM environments.

Operation: Full-duplex, asynchronous/synchronous, point-to-point, on 2-wire dial or 2- or 4-wire lease lines.

Data Rates: 14.4 kbps (V.32bis), 9600, 4800 bps (V.32), 2400 bps (V.22bis), 1200 bps (V.22/Bell 212), 300 bps (Bell 103).

Terminal Rates: Async: 57.6 kbps to 300 bps, independent of modem rate. Sync: Equal to modem rate.

Autodialing: Async: Hayes AT command set. Sync: V.25bis bit- or byte-oriented modes, SDLC/HDLC/Bisync, ASCII or EBCDIC.

Error Correction: V.42 LAP-M and and MNP 2-4.

Data Compression: V.42bis and MNP 5.

Transmitter Output: Dial: Permissive or programmable (0 to 9 dBm). Lease: Selectable (0 to -15 dBm).

Leased Line Requirements: 3002 unconditioned lease lines.

Line Interface: Dial line: RJ45 and RJ11. Lease line: JM8.

Customer Interface: EIA-232, DB25(F).

Size: 7.0 in. (W) x 2.5 in. (H) x 9.6 in. (D); Wt.: 2.8 lbs.

Power: 115 VAC; 14 Watts.

FCC Reg. #: AK3USA-65662-MD-E.

Cables Supplied: RJ11 to RJ11 (6 ft.); RJ45S to RJ45S (8 ft.).