

# MultiModem® ZBA

## V.92 Desktop Business Modems



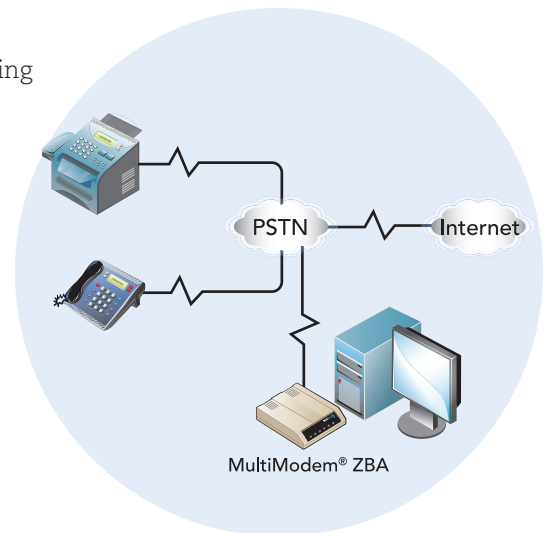
The MultiModem® ZBA V.92 business modem supports remote configuration, callback security, out of band management, as well as dial-up and 2-wire leased line connections making it the modem of choice for business applications. With V.92, this modem provides an increase in upload speeds and quicker connect times than traditional V.90 modems. It offers V.34/33.6K fax and Error Correction Mode, that reduces fax transmission time by more than half when compared to traditional fax modems. In addition, all models are globally approved for use in many countries around the world. This means one model can ship virtually anywhere.

### Features

- V.92/56K download speeds and 48K upload speeds when connecting with V.92 servers
- Dial-up and 2-wire leased line support\*
- V.44 compression improves data throughput rates
- Class 1.0 and Class 2.1 faxing at speeds to V.34/33.6K bps (Super G3)
- Error Correction Mode (ECM) provides fast and reliable fax transmissions
- CDC-ACM compliant for simple one-step installation
- Out of band management available through factory settings or field configuration
- Linux compatible
- U.S. Caller ID reporting
- Remote configuration for centralized setup and control
- Callback Security for network security and reduced telephone toll charges\*\*
- Voice mail support and full-duplex speaker phone operation on voice models
- Globally approved models for use in many countries worldwide
- Small footprint and stackable design
- Self-resetting lightning protection
- Flash memory for easy updates
- RS-232 or USB cable included
- Two-year warranty

### Benefits

- Increased upload speeds
- V.34/33.6K Super G3 Fax
- Globally approved



\* USB model dial-up only.

\*\* RS-232 model only.

## Highlights

**Increased Upload Speeds.** With the V.92 MultiModem ZBA business modem, you can achieve an upload speed of 48K bps (30% increase over V.90 modems). This higher upstream speed reduces data transfer time for large e-mails with attachments and for ftp site uploads, as well as improves operation for interactive applications.

**V.44 Compression.** V.44 compression enables data throughput rates of higher than 300K bps - much faster than V.42bis data compression rates of 150 - 200K bps. For users, it means that your Web browsing will be much faster.

**Enhanced Fax Features.** The MultiModem ZBA business modem supports V.34 fax and Error Correction Mode providing significant performance and reliability enhancements over previous fax standards. V.34 sends and receives faxes at 33.6K, more than double the speed of the V.17/14.4K fax standard. Error Correction Mode adds reliability while increasing performance of fax transmissions. Together these enhancements increase the performance of the modem to levels previously only found in more expensive dedicated fax boards and machines.

**Remote Configuration.** Whether you provide connectivity for a sales office just miles away or for multiple offices around the world, the MultiModem ZBA business modem lets you take care of the configuration from a central site.

**Callback Security.** The MultiModem ZBA business modem provides password protection and helps reduce long distance charges for remote offices and users requiring access to the central site LAN. This modem supports 30 passwords and three configuration options. With the "fixed" callback option, the central site modem stores a password and the remote user's phone number. Once the remote site enters their password, the central site's modem calls back using the number stored in its database. The "variable" option lets users, such as road warriors, enter their fixed password and a call back number each time they call. The "pass through" option is used to provide the security of password protection, while bypassing the call back process.

**Global Approvals.** With the globally approved MultiModem ZBA business modem, you need just one modem for worldwide use. This model has approvals in many countries so you can ship one SKU (stock unit) virtually anywhere in the world.

**Comprehensive Service and Support.** The Multi-Tech commitment to service means we provide a two-year product warranty and service that includes free technical support, 24-hour web site and ftp support.

## Specifications

### Rates

Server-to-client Data:

USB Model: V.90 speeds when accessing a V.90 or V.92  
Serial Model: Up to 48Kbps when accessing a V.92 server

Client-to-server Data:

USB Model: Up to 50Kbps when accessing a V.92 server  
Serial Model: Up to 48Kbps when accessing a V.92 server

Client-to-client Data: up to 33,6K bps

Fax Data: up to 33,6K bps

### Standards

Modem Compatibility:

USB Model: ITU-T V.92, V.90, V.34 enhanced, V.34, V.34bis, V.32, V.32bis, V.22; Bell 212A and 103; ITU-T V.21, V.42, V.42bis, V.44

Serial Model: ITU-T V.92, V.90, V.34 enhanced, V.34, V.32bis, V.32, V.22bis, V.22; Bell 212A and 103/113; ITU-T V.21 & V.23; V.42, V.42bis, V.44

Fax Compatibility: ITU-T "Super" Group 3, Class 1.0, 2.0, 2.1, T.4, T.30, V.21, V.27ter, V.29, V.34, V.17; TIA/EIA 578 Class 1, 2, TR29.2

Error Correction: ITU-T V.42

Data Compression:

USB Model: ITU-T V.44, V.42bis, MNP 5  
Serial Model: ITU-T V.44

Flow Control: XON/XOFF (software), RTS/CTS (hardware)

Voice Compatibility (-V models only): TIA/EIA IS-101

Video: ITU-T V.80 for H.324 video conferencing (serial model only)

### Connectors

RS-232 Model: 2 RJ-11s & DB25

USB Model: 2 RJ-11s & 1 USB type B

### Cables

RS-232 Model: 1 RS-232 cable & 1 RJ-11 cable

USB Model: 1 USB cable & 1 RJ-11 cable

### Operation

RS-232 Model: Async/230.4K bps

Dial-up or 2-wire leased line

USB Model: USB 1.1/12M bps Dial-up

### Operating System Support

Windows 2000/XP/2003/Vista/2008/7

(32-bit/64-bit), Linux, & Mac OS 10.4 or greater

USB Model: CDC-ACM compliant

## Physical Description & Operating Environment

4.3" w × 1.2" h × 5.8" d; 8 oz  
(10.8 cm × 2.9 cm × 14.8 cm; 227g)  
+32° to +120° F (0° to +50° C); 20-90% noncondensing

## Approvals

CE Mark  
EMC: EN 55022/FCC Class B, EN 55024  
Safety: c/UL 60950-1 2nd Ed, IEC 60950-1 2nd Ed, CCC  
& NALTE, AS/NZS 60950:2000  
Telecom: 47CFR Part 68, CS-03, R&TTE, NALTE, A-Tick  
Other countries also included

## Ordering Information

Product	Description	Region
MT9234ZBA-IEC*	V.92 Data/Fax World Modem	Global
MT9234ZBA-IEC-OBM**	V.92 Data/Fax World Modem	Global
MT9234ZBA-NAM	V.92 Data/Fax World Modem	Global
MT9234ZBA-EU	V.92 Data/Fax World Modem	Global
MT9234ZBA-GB/IE	V.92 Data/Fax World Modem	Global
MT9234ZBA-V-NAM	V.92 Voice/Data/Fax World Modem	Global
MT9234ZBA-V-EU	V.92 Voice/Data/Fax World Modem	Global
MT9234ZBA-V-GB/IE	V.92 Voice/Data/Fax World Modem	Global
MT9234ZBA-V-IEC*	V.92 Voice/Data/Fax World Modem	Global
MT9234ZBA-USB-CDC	V.92 Data/Fax World Modem	Global

\* Ships without power cord and telco adapter. Localization kit sold separately.

\*\* -OBM -out of band management.

Produced in the US of US and non-US components.

Features and specifications are subject to change without notice.

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