



Quester® III V.90

Professional V.90 Data/Fax Dial-up Modem

Highlights:

- *V.90 Compliant for 56 Kbps High Speed Dial-up Network Access*
- *Highest Performance... Up to 230.4 Kbps throughput!*
- *14.4 Kbps FAX capability*
- *High Speed 56 Kbps Internet Access*
- *Steadfast Security®*
- *Flash Memory*
- *Universal PC to Modem Cable included at no charge*

Overview The Quester® III V.90 is a value-packed, high-speed external data/fax modem for 56K dial-up applications. The Quester III is ideal for Internet access, Corporate Secure Intranet services, and Small Office/Home Office applications.



Get Connected and Stay Connected! All V.90 modems are not created equal! The beginning of a V.90 call is the most important part. Each V.90 modem must “probe” the line connection to determine the best speed and technology to use for an error-free connection. Using GDC’s exclusive LSI technology, all GDC V.90 modems determine the most efficient way to decode the line, resulting in a robust connection and excellent throughput for each and every connection.

Throughput is the Ultimate Gauge Just connecting at high speeds is not enough. Throughput is the ultimate gauge of how your modem performs. For example, if it takes one minute to refresh a screen from the Internet at 24 Kbps using V.34, the Quester III refreshes the same screen in 30 seconds when connected at 48 Kbps. However, more errors occur at higher speeds. Therefore, the Quester III automatically downspeeds to an error-free rate, maximizes throughput, and prevents you from waiting a long time for the screen to refresh.

Compression Speeds Throughput Even More!

Quester III modems use GDC’s exclusive LSI technology in data compression mode, allowing it to receive data at speeds up to 230.4 Kbps for maximum throughput.

Security Is A Must! When setting up an Internet account, you are required to set up several layers of password protection to protect the Internet Service Provider (ISP) from “hackers.” This is great for the ISP, but what happens when someone calls your PC? Most PCs have no dial-in security — if your modem is set to automatically answer the phone, hackers can get into your files.

With SteadFast Security®, the Quester III offers two levels of security:

- 1) **Handshake Security** — In this mode, only another V.34 modem with GDC’s patented Handshake Security can connect to your PC. This is excellent for use with remote control software packages.
- 2) **On-line Security** — In this mode, any brand modem that calls your modem will be prompted with a message to “Enter Password.”

In both cases, you can assign up to 10 passwords for:

- A. **PassThrough Security** — When the password is accepted, the caller is connected to the PC.
- B. **CallBack Security** — The modem verifies the password and calls back a stored phone number.
- C. **Roving CallBack Security** — The caller enters the password and a phone number to “callback.”

International Configurations Using GDC’s patented country code software, the Quester III adjusts the dialing and call progress (dial tone, busy and ringing indicator) for the selected country. This saves time dialing and redialing when the circuits are busy.

Easy to Install GDC provides necessary parts for a quick and easy installation on your PC. The Quester III comes with a modem to PC cable that supports both 25 and 9 pin connectors. Since all the cables are included along with an easy to follow Quick Start Guide, installation is a snap, even for the novice.



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Stay Current with the Latest V.90 Firmware The Quester III and Quester II (with flash memory) can be upgraded with the latest V.90 firmware at no charge. The latest firmware can be found on the Internet at www.gdc.com. Other vendor's modem download procedures query you with numerous questions, delaying connections while the

vendor analyzes your modem for fees paid, licenses, etc. The GDC download procedure allows you to upgrade your modem when you want to — no questions asked!

The latest Windows 98 and NT Work Station 4.0/5.0 modem drivers for the Quester III are also located on the GDC web site.

Specifications

Modulations	
Data:	V.90 – 56,000 bps; V.34 – 33,600 bps; V.32 bis – 14,400 bps; V.32 – 9,600 bps; V.22 bis – 2,400 bps; V.22 – 1,200 bps; V.21 – 0 to 300 bps; Bell 212A – 1,200 bps; Bell 103 – 0 to 300 bps
FAX:	V.17 – 14,400 bps; V.29 – 9,600 bps; V.27 ter – 4,800 bps; Group 3, Class I operations
Equalization:	Automatic, adaptive
Operating Format:	Asynchronous
Data Rates:	Supports asymmetrical data rates (2.4 - 56 Kbps)
DTE Rates:	From 300 bps to 230.4 Kbps
Operating Mode:	2-wire dial-up (PSTN)
Async Character Codes:	8, 9, 10 or 11-bit characters, V.14 compliant
Carrier Detect Acquisition:	Assured with a receive level at or above -43 dBm
Carrier Detect Release:	Assured with a receive level at or below -48 dBm
Error Correction:	ITU-T V.42
Data Compression:	ITU-T V.42 bis giving a throughput of up to 230,400 bps
Configuration and Control:	Extended "AT" command set
Flow Control:	XON/XOFF; RTS/CTS; external EIA/TIA-232-E signaling using CTS
LED Indicators:	Send Data, Receive Data, Request to Send, Clear to Send, Terminal Ready, Carrier On, and Off Hook, Modem Ready
Call Monitoring:	"AT," audible and indicator LEDs
Line Interface:	RJ11 Line Jack and RJ11 Phone Jack
Output Level:	Permissive (-9 dBm)
Digital Interface:	EIA/TIA-232-E
Download Flash Memory:	Firmware upgrades can be loaded into Flash memory using a locally attached IBM-compatible PC
Test Mode:	V.54 Compliant analog loop and self test
Physical and Environmental	
Dimensions:	25 mm (1 in.) H x 130 mm (5.125 in.) W x 185 mm (7.25 in.) D
Weight:	.26 kg (.6 lbs)
Shipping Weight:	1.2 kg (2.65 lbs)
Operating Temperature:	0° to 40°C (32° to 104°F)
Humidity:	Up to 95% (non-condensing)
Interference Protection:	Verified to comply with FCC Part 15, Subpart J, Class B and Part 68; DOC (Canada)
Safety Protection:	UL listed and CSA certified
Ringer Equivalence Number:	0.7B

Ordering Information:

Product	Part Number	Capabilities
Quester II V.34 with Flash Memory	S-060A202-001	Upgradable to V.90 via Internet
Quester III V.90	S-060A302-001	Shipped V.90 Compliant

† Due to FCC limitations, speeds in the US are less than 56 Kbps. The FCC limitation is 53 Kbps per individual analog telephone line connection.

WORLD HEADQUARTERS

Middlebury, Connecticut USA 06762-1299 • Tel: 1-203-574-1118 • Fax: 1-203-758-8507 • 1-203-758-9518 (GDC International) • www.gdc.com

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For the name and address of your local distributor, contact your nearest area office or General DataComm World Headquarters

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