DIAMOND MULTIMEDIA - SPECIFICATION SHEET
SKU   SM56E
BRAND   Supra
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SKU	SM56E
SYSTEM BUILDER SKU	
PRODUCT	DIAMOND SupraMax External (Serial) 56K Modem
PRODUCT DETAILED DESCRIPTION	**Faster Internet Connections**

• Receive Phone Calls While Online
• Faster Download Speeds
• Quicker Connect Speeds
• Complete Internet & Fax Solution
• Controller-based modem for maximum performance

Diamond Supra unleashes the highest performance SupraMax modems with newly adopted ITU, V.92 and V.44 compression standards.
SupraMax gives you the advantages of extensive analog access to the Internet with an added boost of speed over earlier standards. These improvements includes accelerated upstream data transfers (up to 40% faster), faster Internet dial-up connection times using an intelligent start-up sequence, and advanced compression algorithms that let you send common file type (such as HTML, e-mail, and executable files) more efficiently. The new Modem-On-Hold feature lets you receive incoming voice calls without dropping your current modem connections. And, because the SupraMax V.92 is backward compatible with V.90 and earlier standards, you can relax and enjoy faster Internet speeds without worry. (For more information on V.92 features, please see below.)

WHAT IS V.92?

V.92 is an International Telecommunications Union (ITU) standard for analog modem connections, a new improvement over the existing V.90. Though the top speed for downloads is still 56K, V.92 has a number of enhancements.

WHAT FEATURES ARE INCLUDED IN V.92?

There are four important benefits to the V.92 standard; Quick Connect, Modem-on-hold, PCM upstream and V.44 data compression.

Quick Connect - by reducing the amount of time it takes for the modem and server to handshake, connect time is reduced dramatically. Instead of taking around 25 seconds to connect, this may be reduced to 8 seconds.

Modem-on-hold - the end user can put the modem on hold and stay connected to the Internet. The user can take an incoming voice call, or even place a call while still connected. When the call is through, the end user can resume Internet activities without having to re-dial and connect.

PCM upstream - increases maximum upload speed to 44 Kbps.

V.44 - a new standard for data compression specifically for HTML (normal website), text and other common file types, for faster downloads. Throughput can increase up to 30-40%. This will supercede the current V.42bis standard.

WHAT IS REQUIRED FOR V.92 AND V.44

Your ISP carrier must provide support for V.92 and V.44 compression. Please consult with your ISP for details.

PRODUCT FEATURES	

● Full featured data/fax external modem
● Send documents at high speeds to fax machines or fax-
● Supports V.92 for speeds up to 56,000 bit/s
● Sends and receives faxes with speeds up to 14,400 bit/s
● Top-rated communications and Internet access software

PRODUCT SPECIFICATIONS	

● V.90, V.92 ITU standard 56K
● Data compression V.44, V.42bis and MNP5
● V.34 and backwards compatible protocols
● Fax speeds up to 14,400 bit/s, Group III, Class 1
● Error correction V.42 LAPM and MNP 4

SYSTEM REQUIREMENT	EXTERNAL POWER REQUIREMENT	
	CPU	AMD Athlon® or Intel ® Pentium ® 4
	CPU SPEED	486 MHZ
	MEMORY	N/A
	HARD DISK	5mb
	SYSTEM BUS	
	SLOT	N/A
	CHASSIS	N/A
	MONITOR	Digital flat-panel (DFP) displays or DVI-I Compatilbe or digital CRT display or High-resolution VGA monitor
	INTERNET ACCESS	NO
	USB	NO
	CD DVD	YES
	POWER SUPPLY	N/A
OPERATING SYSTEM	WIN98SE WINME WIN2000 WINXP LINUX32 LINUX64	
FORM FACTOR	N/A	
DIMENSIONS	[PRODUCT] : 11 13/16 X 9 1/8 X 3 1/8 [RETAIL BOX] : 11 13/16 X 9 1/8 X 3 1/8 [S BUILDER] : 12 X 7 1/4 X 2	
WEIGHT	[PRODUCT WEIGHT] : 0.45LBS [PRODUCT WITH CONTENT WEIGHT] : 2.0 LBS	
UPC	RETAIL PACKAGE UPC : 018258001045	

PACKAGE CONTENT

- DIAMOND SUPRAMAX EXTERNAL (SERIAL) 56K MODEM
- QUICK START GUIDE
- INSTALL CD
- TELEPHONE CABLE (RJ-11)

PRODUCT WEBPAGE   http://www.diamondmm.com/SM56E.php

PRODUCT NOTES   **California Health & Safety Notice :** The solder used in this product contains lead, a chemical known to the State of California to cause birth defects and other reproductive harm. Please wash hands after handling internal components and circuit boards and avoid inhalation of fumes if heating the solder.