

PCX2000

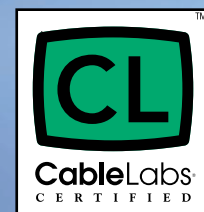
DOCSIS Cable Modem



Benefits

- + Surf the Internet Up to 100 Times Faster than a 56K Analog Modem
- + Always On, No Waiting for Dial-Up
- + No Phone Lines Required
- + Certified to Work with All DOCSIS Cable Networks
- + Connects to PC via USB or Ethernet for High-Speed Access
- + Ideal for SOHOs Requiring Shared Access
- + Easy to Read Diagnostic LEDs
- + Small, Compact Footprint Takes Up Little Desk Space
- + Comes with Advanced Diagnostics and Self-Installation Wizard Software

In Touch with Tomorrow
TOSHIBA



PCX2000 DOCSIS Cable Modem

Features

- + Easy installation using a USB or Ethernet Connection
- + CableLabs Certified™
- + Superior Transfer Rates
- + Quick Modem Sync-up for Shorter Installation Times
- + High Stability
- + Low Failure Rates
- + Unparalleled Technical Support
- + Self-Installation Wizard & Advanced Diagnostics Software
- + SNMP Support
- + Field Upgradable Firmware
- + Front Panel Display with Diagnostic LEDs

Toshiba's DOCSIS 1.1 based PCX2000 Cable Modem offers the highest performance in cable data modem technology. Utilizing the same Hybrid Fiber Coax (HFC) interface as cable television, the PCX2000 DOCSIS Cable Modem provides residential and small business users with a faster, more powerful two-way interface to the Internet. With phenomenal data transfer rates, a typical IOMB file can be downloaded in 75 seconds versus over 20 minutes with the latest in 56K analog modems.

The Toshiba PCX2000 DOCSIS Cable Modem has been CableLabs® Certified™ to meet the rigorous interoperability requirements of the Data Over Cable Service Interface Specification (DOCSIS) standard. This assures you that the Toshiba PCX2000 DOCSIS Cable Modem will work seamlessly with any DOCSIS data services network no matter where you are. The cable modem is easy to install using either a USB or a standard Ethernet connection to your PC or to the network hub in a small business. With support for up to 16 PCs, the Toshiba PCX2000 DOCSIS Cable Modem is ideal for SOHO environments where secured, shared Internet access is a requirement.

For MSOs, Toshiba's PCX2000 DOCSIS Cable Modem includes such advanced features as a customizable self-installation wizard, remote and local diagnostic capability, remote firmware download and SNMP support.

Toshiba PCX2000 DOCSIS Cable Modem Specifications Downstream (Receiver)

Demodulation	64QAM, 256QAM
Physical Speed	Supports maximum DOCSIS transfer rates
Symbol Rate	5.056941 (64QAM)/ 5.360537 (256QAM) Msym/sec
Error Correction	Reed Solomon + Trellis (Enhanced Annex B)
Frequency Range	88MHz to 860MHz agile, in 62.5KHz steps
Bandwidth	6MHz
Input Signal Level	-15dBmV to +15dBmV

Upstream (Transmitter)

Modulation	QPSK, 16QAM
Physical Speed	Supports maximum DOCSIS transfer rates
Error Correction	Reed Solomon
Frequency Range	5MHz to 42MHz agile, in 1Hz steps
Frequency Selection	Controlled through SNMP
Bandwidth	200, 400, 800, 1600, 3200KHz
Output Signal Level	+8 to +58dBmV (QPSK), +8 to +55dBmV (16QAM)

SNMP Management

MIB Group	MIB II, DOCSIS MIB, Toshiba MIB
-----------	---------------------------------

Interface

Network (PC) Interface	IEEE802.3/10BASE-T
Cable Interface	F type female 75ohm
USB Interface	USB Device Mode B

Equipment Specifications

Power Supply (Input)	120VAC (using AC-DC Adapter)
Power Supply (Output)	12VDC @ 1A
Power Consumption	7W
Dimensions	1.89"(W) x 8.39"(D) x 6.22"(H)
Weight	1.1 lb
Safety	UL1310, UL1950
Emissions	FCC part 15, class B

Environment

Operating Temperature	32° F to 104° F
Operating Humidity	10% to 90% (non-condensing)
Storage Temperature	-4° F to 140° F

DOCSIS 1.1 based features include Baseline Privacy Plus and DOCSIS compliant contention and reservation mixed protocol, including fragmentation

© 2001 Toshiba America Information Systems, Inc. All specifications and design are subject to change without notice. All products mentioned are trademarked and/or registered by their respective companies. The CL CABLELABS® CERTIFIED™ and Design mark, and the terms "CableLabs Certified" or "Certified by CableLabs" are certification marks of Cable Television Laboratories, Inc. and cannot be used without authorization of Cable Television Laboratories, Inc. Form #: 2000DOCSISModem-1 8/01

In Touch with Tomorrow

TOSHIBA

Network Products Division

9740 Irvine Boulevard
Irvine, California 92618-1697
949-461-4840

<http://networks.toshiba.com>
cablesales@networks.toshiba.com