



PCX1100 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 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*

Excite @ Home
Level 2 Approved

In Touch with Tomorrow
TOSHIBA

PCX1100 DOCSIS Cable Modem

Features:

- * **CableLabs® Certified™
Excite@Home® Level 2
Approved**
- * **Superior Transfer Rates
(Perfect for Future
Tiering Strategies)**
- * **Quick Modem Sync-up
for Shorter Installation
Times**
- * **High Stability
Low Failure Rates**
- * **Unparalleled
Technical Support**
- * **Cooperative Marketing
Opportunities Using
the Toshiba Name**
- * **Self-Installation Wizard
& Advanced
Diagnostics Software**
- * **SNMP Support**
- * **Field Upgradeable
Firmware**
- * **Front Panel Display
with Diagnostic LEDs**

Toshiba's DOCSIS 1.1 based PCX1100 Cable Modem offers the highest performance in cable data modem technology. Utilizing the same Hybrid Fiber Coax (HFC) interface as cable television, the PCX1100 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 10MB file can be downloaded in 75 seconds versus over 20 minutes with the latest in 56K analog modems.

The Toshiba PCX1100 DOCSIS Cable Modem has been CableLabs® Certified™ and Excite@Home® Level 2 approved to meet the rigorous interoperability requirements of the Data Over Cable Service Interface Specification (DOCSIS) standard. This assures you that the Toshiba PCX1100 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 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 PCX1100 DOCSIS Cable Modem is ideal for SOHO environments where secured, shared Internet access is a requirement.

For MSOs, Toshiba's PCX1100 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 PCX1100 DOCSIS Cable Modem Specifications

Downstream (Receiver)

Demodulation	64QAM, 256QAM
Physical Speed	Supports maximum DOCSIS transfer rates
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
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Interface

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

Equipment Specifications

Power Supply	120VAC (using AC-DC Adapter)
Power Consumption	8W
Dimensions	1.96" (W) x 8.07" (D) x 5.96" (H)
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

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