



PCX1100U 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**

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PCX1100U DOCSIS Cable Modem

Features:

- * **Easy installation using a USB or Ethernet Connection**
- * **CableLabs® Certified™**
- * **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**

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Toshiba's DOCSIS 1.1 based PCX1100U Cable Modem offers the highest performance in cable data modem technology. Utilizing the same Hybrid Fiber Coax (HFC) interface as cable television, the PCX1100U 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 PCX1100U DOCSIS Cable Modem has been CableLabs® Certified™ approved to meet the rigorous interoperability requirements of the Data Over Cable Service Interface Specification (DOCSIS) standard. This assures you that the Toshiba PCX1100U 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 PCX1100U DOCSIS Cable Modem is ideal for SOHO environments where secured, shared Internet access is a requirement.

For MSOs, Toshiba's PCX1100U 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 PCX1100U DOCSIS Cable Modem Specifications

Downstream (Receiver)

Demodulation	64QAM, 256QAM
Physical Speed	30 Mbps (64QAM)/ 43 Mbps (256QAM)
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
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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)	120VAC
Power Consumption	8W
Dimensions	1.96" (W) x 8.07" (D) x 5.96" (H)
Weight	2.1 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

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