



# TOSHIBA

Toshiba DOCSIS DAZ8820F Owner's Manual

Docsis cable modem



1
2
Table Of Contents
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

18  
19  
20  
21  
22

--

•

Table of Contents

•

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Model Name DAZ8820F

Jun. 2001

[Table of Contents](#)

[Next Page](#)

1  
2  
3  
4  
5

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## Summary of Contents for Toshiba DOCSIS DAZ8820F

[Page 1](#) Toshiba DOCSIS Cable Modem Owner's Manual PCX2000 Model Name DAZ8820F Jun. 2001...

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### [Page 3: Table Of Contents](#)

Table of Contents Congratulations on Your Purchase Contact Information Support Information Sales Information Web Page Important Rules for Safe Operation Installation Service Overview How does a cable modem work? How does a cable modem connect to a computer? What is DOCSIS? Getting Started What's in the box? Front side LEDs...

### [Page 4: Congratulations On Your Purchase](#)

Congratulations on Your Purchase! Your new Toshiba DOCSIS Cable Modem will provide you with high-speed access to the Internet through your cable TV (CATV) network- accesses at a fraction of the time it takes traditional telephone modems. In addition, your service will be always connected. Those two features give you the information you want, when you want it .....

### [Page 5: Important Rules For Safe Operation](#)

Important Rules for Safe Operation In addition to the careful attention devoted to quality standards in the manufacture of your Toshiba DOCSIS Cable Modem, safety is a major factor in the design of every product. However, safety is your responsibility, too.

### [Page 6: Use](#)

Do Not Use Near Water - Do not use this product near water - for example, near a bath tub, sink or laundry tub, in a wet basement or near a swimming pool, and the like. Do Not Place Near High Temperature Source - for example near a steamer, Kitchen range fire, and the like.

## [Page 7: Service](#)

Service Do Not Remove Covers - Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel. Unplug this product from the wall outlet carefully, as the AC adaptor may be hot. Refer Servicing to Qualified Service Personnel Under the Conditions Listed Below  
◆...

## [Page 8: Overview](#)

Overview The modem provides you with high-speed data communications over the television cable network by following the widely accepted DOCSIS/MCNS standards being developed by the Multimedia Cable Network System (MCNS) consortium. Those standards offer a combination of high performance and interoperability among many of the cable system operators in North America.

## [Page 9: What Is Docsis](#)

What is DOCSIS? Data Over Cable Service Interface Specifications. DOCSIS defines interface requirements for cable modems involved in high-speed data distribution over a cable television network. On November 17, 1997, Cable Television Laboratories, Inc. (Cable Labs) and its members established a formal path of certification for cable modem equipment suppliers to obtain an interoperability seal for their products based on the DOCSIS specification.

## [Page 10: Getting Started](#)

What's in the Box? Make sure that you've received the following items. If any item is missing or damaged, contact your dealer immediately. ◆ Toshiba DOCSIS Cable Modem ◆ 10BASE-T Cable (6 feet) ◆ USB Cable (5 feet) ◆ AC Adaptor ◆...

## [Page 11: Installing Usb Drivers](#)

Installing USB Drivers If use the USB interface, connect the cable modem to the PC via the USB, you must install the "USB Driver" in your PC as follows. These "USB Drivers" support a PC running Microsoft Windows 98SE, 2000, and Me.

[Page 12](#) USB COMPOSITE DRIVER REMOVAL (1)Make sure that the USB cable is plugged into your PC. (2)Go to the Start button; choose "Settings" and then "Control Panel". (3)From inside the "Control Panel" choose "System". (4)Choose the tab on the top of the screen for "Device Manager". (5)Click the "+"...

## [Page 13: Diagnostics](#)

Diagnostics The Cable Modem has five status LEDs for diagnostics. You can monitor the LEDs during installation and during normal operations. Table 1 shows Cable Modem status LEDs and identifies what each LED light means. This table will help you to diagnose problems. Function Color Definition...

## [Page 14: How To Use The Stand](#)

How to Use the Stand Please attach the stand to the front of the Cable Modem.

## [Page 15: Specifications](#)

Specifications The Toshiba DOCSIS Cable Modem is DOCSIS/MCNS compliant. RF Interface Receiver Physical Speed: 30 Mbps (64QAM) / 43 Mbps (256QAM) Symbol rate: 5.056941 Msym/sec (64QAM) 5.360537 Msym/sec (256QAM) Demodulation: 64QAM / 256QAM Bandwidth: 6 MHz Frequency range: 88 MHz to 860 MHz (edge-to-edge) in 62.5 kHz steps...

[Page 16](#) Environmental Operating temperature: 32 to 104 degrees Fahrenheit Humidity: 10 to 90 percent (non-condensing) Storage temperature: -4 to 140 degrees Fahrenheit Safety: EN60950 UL1310 UL1950 EMC: EN55022 : 1998 Class B (Emission) EN55024 : 1998 (Immunity) FCC part 15 class B...

## [Page 17: Q & A](#)

Q & A Q: How to connect the cable modem to the hub/switch via the 10BASE-T ? A: Cable Modem is connected to the uplink port on the hub/switch, or use cross-over Ethernet cable to connect the normal port on the 10BASE-T hub/switch. (See below) Cross-over Cable or connect

to...

[Page 18](#) Microsoft Windows 98SE, 2000, or Me via the USB interface, you must install “USB Driver” in your PC. A CD-ROM, attached this product, provides this driver. Q: How can I configure the Cable Modem and get monitoring information from it ? A: The Cable Modem can only be configured and monitored by your cable operator.

### [Page 19: Regulatory And Warranty](#)

Regulatory and Warranty • ; FCC Notice: This equipment has been tested and found to comply with the limits for a Class B personal computer and peripherals, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

### [Page 20: Glossary](#)

10BASE-T LAN cable. F connector A type of coaxial connector, labeled RF on the rear of the Toshiba Cable Modem, that connects the modem to the cable system. Headend The equipment, in the central office of the service provider, where the cable signals originate.

[Page 21](#) Connector on the Toshiba Cable Modem, labeled 10BASE-T, that connects the modem to a computer or to a HUB. Subscriber A computer user in the home who accesses a data service using the Toshiba Cable Modem. Subnet A network subdivision. When subnetting is used, the IP (Internet Protocol) address is divided into a subnet number and a host number.

### [Page 22: Installing The Cable Modem](#)

Installing the Cable Modem To avoid thermal problems, allow at least one inch spacing between the ventilation holes and any object to either side of the unit. It's best to have no obstructions on top of the unit. The top of the unit should be at least two inches from any obstruction.

This manual is also suitable for:

[Docsis pcx2000](#)