

Toshiba America Information Systems, Inc.

Magnia SG20

Product Highlights:

Simple * Fast * Connected

- Sealed System: The operating system, along with all of the applications and hardware, are built in and ready to go straight out of the box.
- Simple, automatic, web-based setup and network configuration
- Offers the hardware features you need that benefit the way you do business and home networking.
- Built-in Wi-Fi™ Access Point capability & 7-port switch for network creation
- Ethernet WAN Port (10/100 Auto sensing) and 56K modem for connecting to your Internet service provider

Product Specifications

Features

Included Services, Software & Solutions

Simple Network Configuration

Automatically configure your network to use DHCP, DNS, NAT, and Web Services.

Email Services

Standard (POP3) email delivery and retrieval that works with standard email programs such as Microsoft™ Outlook® or Netscape™ Communicator®.

Intranet

Create an personalized Intranet – without learning to program HTML – by managing the pre-configured templates included with the Magnia SG20.

Security

Packet filter & IP tables Firewall protects company data from Internet intrusion.

Cross-platform File Sharing

Windows® and Mac OS® users can exchange information with the Magnia SG20 using file sharing services.

File Transfer Protocol (FTP)

Use the 128-bit SSL protected support for file transfers to and from the Internet with the File Transfer Protocol (FTP) application.

Enhanced Backup and Restore

The Magnia SG20 includes an application for file backup and restore. The application can backup and restore files to/from a backup device connected to a networked client computer, to a shared directory or through secure FTP to Toshiba's Internet-based storage service (fee based).

Second Hard Disk Drive Configuration

The second hard drive (optional) can be configured for additional storage capacity or it can be configured to be an exact copy of the primary hard drive.

Web Caching

The Magnia SG20's Web caching feature keeps commonly accessed web site information on hard drives to improve performance of Internet access by reducing the traffic across the Internet network.

Content Filtering

Built-in application that allows administrator to restrict access to specific Web sites, or to sites that contain certain phrases or words in their domain name. Content filtering can be useful when you wish to regulate access to areas of the Internet by users of your local network.

Internet Connectivity
Connect to the Internet via the built-in 56K Modem or auto-sensing 10/100 Ethernet WAN port. The 10/100 Ethernet WAN Port can connect to broadband Internet service from a Corporate LAN, a DSL line, or a Cable line. Internet Connection requires a customer provided Internet Service Provider. A DSL or Cable Internet Connection requires an external router or broadband modem to use the Public Ethernet port (not included).

Virtual Private Networking

Virtual Private Networking is certified only for client computers running Microsoft® Windows™ operating systems.
The Virtual Private Network requires the Magnia SG20 be connected to the Internet using the Public WAN Ethernet port.

Set up a secure tunnel across the Internet from remote client computers to the Local Area Network created by the Magnia SG20. The Magnia SG20 can manage a Point-to-Point Tunneling Protocol (PPTP) Virtual Private Network with authorized users. Toshiba has also created a setup program wizard that will configure client computers running Microsoft® Windows™ based operating systems to communicate over the Internet with the LAN through the VPN.

New in version 2.6 of the SG20 software image is the ability to establish a SG20 to SG20 IPsec VPN. This will allow the creation of a secure tunnel between a remote location SG20 and the home office SG20 or between two small/medium offices equipped with SG20's.

Remote Dial-In Access

Users may dial in to the appliance server using the built-in modem to seamlessly interact from remote locations.

Available Languages

United States English, (Standard)

French, Generic/common

German, Generic/common

Spanish, (Spain)

Dutch, Generic/common

Italian, Generic/common

Digital Central

Digital Photo Album

Your Magnia SG20 includes an application to manage centrally stored digital pictures (JPEG) and digital videos.

Video Camera Monitoring & Recording

Your Magnia SG20 includes an application that provides the ability to view and record activity from digital video cameras (purchased separately).

Once installed, you can view the video activity from these cameras on any computer within the Magnia SG20 network or from remote locations using the included Virtual Private Networking (VPN) service. The Magnia SG20 can monitor and record up to four cameras.

Digital Jukebox

Your Magnia SG20 includes the capability to store and organize digital music (MP3 and WMA file formats). The Magnia SG20 can deliver music to: Any wired or wireless connected computer or supported Pocket PC device, as well as through the Voyetra® Turtle Beach® AudioTron™ (purchased separately) to your home stereo system.

Upgrades or Optional 3rd-party Services Offerings

Health Status Monitoring

Toshiba can monitor your Magnia SG20 for non-standard operation and will contact the administrator in case action needs to be taken. Health Status Monitoring is available from Monday through Friday from 05:00 AM to 05:00 PM PST excluding holidays.

Operating System

Operating System: Based on Red Hat Version 7.3

Hardware Features

Chassis

Tool-less removal of hard drives for quick, easy access to the hard drives. Provision for Kensington Lock to secure the hard drives and for securing the Magnia SG20 to a fixture to prevent theft.

Ethernet Switch

The Magnia SG20 includes a built-in 7-port switch. The seventh port can be either used as a straight through or crossover link. Each port is auto-sensing 10/100 Mb/second.

Processor & Chipset

Intel 566MHz Celeron with 128KB L2 Cache

VIA Apollo 133A Chipset with VT82C686B

Memory

Slots: 2 PC100 DIMM

Standard: Un-buffered ECC SDRAM 128MB

Configure-To-Order Available Memory Options: 128MB, 256MB.

Memory is available up to 512MB with Custom Configurations (memory can not be upgraded by the user).

Storage Media

Two available 2.5-inch EIDE drive bays accessible from the top with a slide off cover.

The Magnia SG20 must include at least one hard drive; the second hard drive is optional and can be used for additional storage or as a backup of the primary hard drive.

The Magnia SG20 must have 2 hard drives with the same capacity (you cannot mix a 20GB hard drive with a 40GB hard drive).

Choice of Hard Drives:

1. 20GB 4,200RPM 2.5-inch ATA/EIDE SMART, or
2. 40GB 4,200RPM 2.5-inch ATA/EIDE SMART

Network Interface Input/Output Ports & Devices

Ethernet LAN Network Interface

10MB/100Mb Auto configuration

1 public WAN RJ-45 port

7 private LAN RJ-45 ports

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1 private RJ-45 uplink port (for expansion) serves as the alternative to the seventh private LAN port.

Wireless LAN Network Interface

Access Point capable per IEEE 802.11b standard using optional Wireless LAN PCMCIA Card.

General I/O

16-character x 2-line backlit LCD with Scroll Button on the front of the machine

1 25-pin D-SUB Connector (Centronics capable)

1 RJ-11 V.90 DSP Modem Port

Power Button (front)

Reset Button (rear)

Administrator Password Reset Button (rear)

Power Supply

100V-240V 50/60Hz

Maximum Power Consumption

50 Watts

Measurements & Weight

Width: 13.375in (339.90mm)

Depth: 10.625in (269.88mm)

Height: 2.625in (67.40mm)

Weight: 10 lbs. (4.5 kg)

Temperature Range

Operating +10 to +35° C

Shipping -30 to +70° C

Acoustic Noise

45 dB Maximum

Relative Humidity

Operating 30-80%

Shipping 20-90%

Compliance

Product Safety

- UL 1950
- CSA 950
- 72/23/EEC (Low Voltage Directive) for CE Mark

EMI

- FCC Part 15 Class B
- ICES-003 Class B
- 89/336/EEC (EMC Directive) (EN55022 Class B) for CE Mark

Modem

- FCC Part 68
- R&TTE
- UL/cUL
- CTR21
- Industry Canada

Warranty

Standard Warranty

1-year next business day delivery of replacement parts (customer replaceable units), 1-year of toll-free technical support Monday-Friday 5:00AM to 8:00 PM PST.

Warranty & Service Support Services	
SWP-AQQM1V	1 Year of Health Status Monitoring
SWP-AEQQ2V	Extends 1 Year Standard Warranty to 2 Years
SWP-AEQN2V	1 st /2 nd Year On-site Repair, next business day response and warranty extension coverage.

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Part Numbers

Systems	
<i>SMB Versions</i>	
SYU3791W-00101	SG20 Std Ch, v2.6, 128MB RAM, 1 - 20GB HDD
SYU3791W-00102	SG20 Std Ch, v2.6, 128MB RAM, 2 - 20GB HDD
SYU3791W-00103	SG20 Std Ch, v2.6, 128MB RAM, 1 - 40GB HDD
SYU3791W-00104	SG20 Std Ch, v2.6, 128MB RAM, 2 - 40GB HDD
SYU3791W-001W1	SG20 Std Ch, v2.6, 128MB RAM, 1 - 20GB HDD, Wireless 802.11b
SYU3791W-001W2	SG20 Std Ch, v2.6, 128MB RAM, 2 - 20GB HDD, Wireless 802.11b
SYU3791W-001W3	SG20 Std Ch, v2.6, 128MB RAM, 1 - 40GB HDD, Wireless 802.11b
SYU3791W-001W4	SG20 Std Ch, v2.6, 128MB RAM, 2 - 40GB HDD, Wireless 802.11b

Options	
DKU3906A-U0002	20GB 2.5in IDE HDD w/image v2.6
DKU3907A-U0002	40GB 2.5in IDE HDD w/image v2.6
8484415560-00	128-bit Wi-Fi® PCMCIA Wireless Card