Explorer® 4200™ Home Gateway

Scientific Atlanta

Description

Scientific-Atlanta's Explorer® 4200™ Home Gateway merges "home gateway" computing power with broadband digital video services to deliver a broad range of entertainment, information, and communications services.
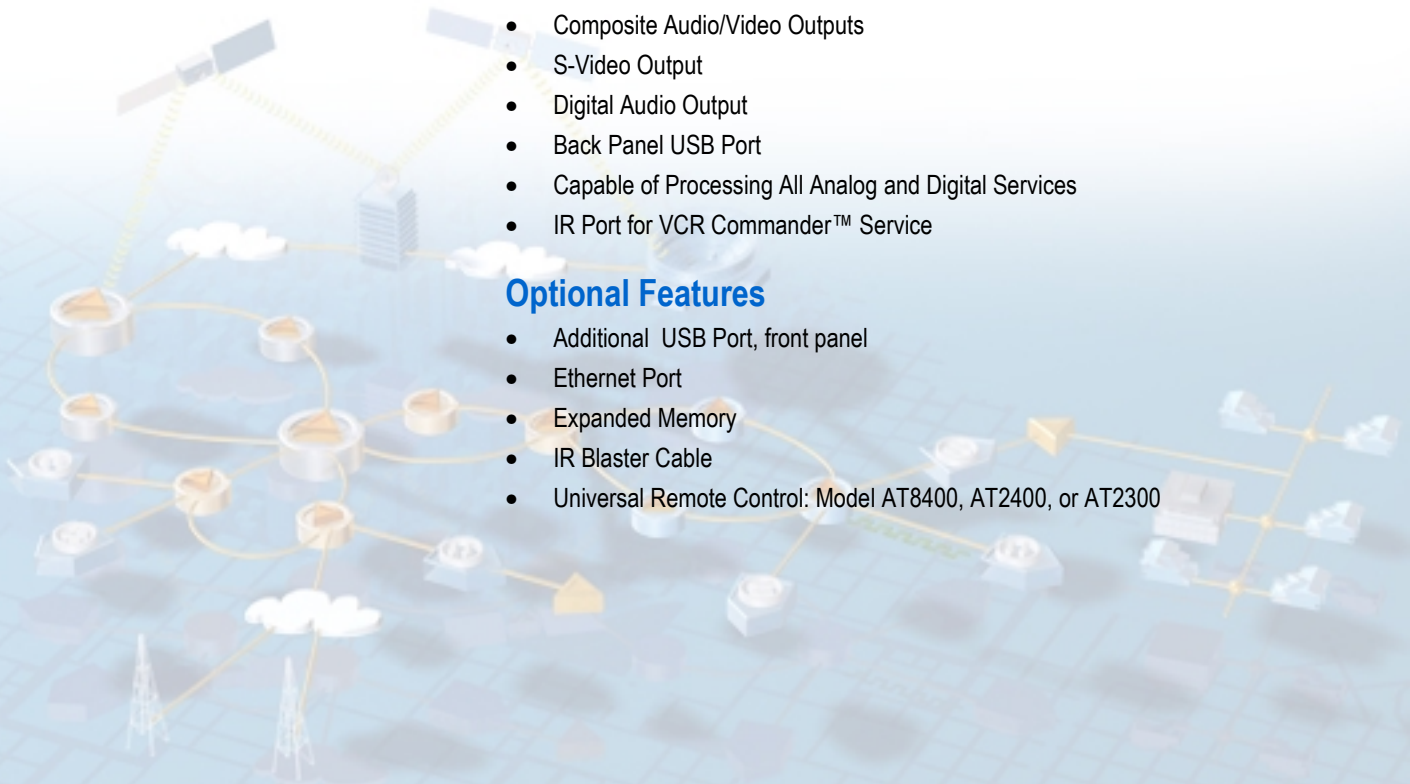
With its internal DOCSIS® cable modem, the Explorer 4200 Home Gateway adds a new level of interactivity to the digital cable TV experience. The internal DOCSIS cable modem leverages the DOCSIS forward path to provide high-speed Internet access to other digital home devices such as the PC and its peripherals. The DOCSIS modem also provides a faster out-of-band (OOB) path for interactive applications compared with the DAVIC OOB path.

Features

- Integrated DOCSIS Cable Modem
- 328 MIPS with Dual CPUs
- 32 MB Applications DRAM
- Composite Audio/Video Outputs
- S-Video Output
- Digital Audio Output
- Back Panel USB Port
- Capable of Processing All Analog and Digital Services
- IR Port for VCR Commander™ Service

Optional Features

- Additional USB Port, front panel
- Ethernet Port
- Expanded Memory
- IR Blaster Cable
- Universal Remote Control: Model AT8400, AT2400, or AT2300

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Description – CONTINUED

Several important features are included in the Explorer 4200 Home Gateway to enhance its compatibility with existing and future network configurations. These features include an integrated internal DOCSIS cable modem, support for the DAVIC OOB channel, 44 MB of application and program memory, dual 164 MHz RISC microprocessors to speed up program tasks and applications, and a USB port for fast interconnectivity to consumer peripherals.

The Explorer 4200 Home Gateway is also backward compatible with existing Scientific-Atlanta digital set-tops and headends.

Specifications

Feature	Benefit
Reverse Path Data Transmitter for DOCSIS and DAVIC	Allows IP-based, real-time two-way communication between the Explorer 4200 Home Gateway and the headend Enables MSO to offer two-way services such as Internet browsing, video-on-demand, and email
MPEG-2 MP@ML Digital Video Decompression	Allows decompression and presentation of audio and video Permits video resolution up to 720 x 480
Dolby® Digital Audio Decoder and MPEG-1 Audio Support	Supports leading digital audio standards
PowerKEY®Conditional Access System	Provides digital security using an RSA encryption algorithm that mathematically matches pairs of keys
PowerTV® Operating System with HTML Client Engine	Offers stable operating system and open Application Programming Interfaces (APIs) to support native applications and third-party middleware applications Allows upgrades using a network download
Enhanced Graphics Engine	Display up to 65,000 colors simultaneously Enables high-resolution 640 x 480 graphics while simultaneously scaling MPEG-2 video
Powerful 32-bit RISC Processors	Features two 164 MHz (328 MIPs total) processors to perform tasks and applications quickly
Over 44 MB Total Memory	Flash: 8 MB Applications DRAM: 32 MB Media DRAM: 4 MB NVM: 4 KB
64 and 256 ITU J.83 Annex B QAM Support	Supports open standards for QAM delivery and demodulation
Analog and Digital Service Tuner	Allows both analog and MPEG-2 digital channels to be tuned and displayed
DOCSIS Compliant Integrated Cable Modem	Provides a high-speed data forward path to the Explorer 4200 Home Gateway
Both Internal Security Microprocessor and Smart Card Slot	Provide hardware-assisted conditional access options with capability to upgrade the security, if ever needed
Macrovision® Copy Protection Support (licensing not included)	Activation allows cable operators to add another layer of copy protection software, called Macrovision, that restricts unauthorized subscribers from copying digital transmissions such as VOD and SVOD
Universal Serial Bus (USB) Interfaces	Optional front panel port allows easy interconnection with home consumer devices such as digital cameras Standard back panel port allows more permanent connection to home consumer devices such as e-mail and web page printers
BTSC/SAP Decoder	Provides stereo sound on analog channels through the baseband left and right outputs
S/PDIF Digital Audio Interface	Supports interconnection with surround sound receivers
Integrated VCR Commander Service	Automates the recording of selected video programs; requires IR Blaster Cable
Provision for Name Branding	Front panel design highlights positioning of customer's brand name and logo
Ethernet 10BaseT Interface	Optional rear panel port supports interconnection to Ethernet-controlled devices such as PCs and wireless transceivers

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Ordering Information

Description	Part Number
Explorer 4200 Home Gateway	745744
Explorer 4200 Home Gateway - Includes optional Ethernet port and additional USB port on the front panel	4001183