

Explorer® 3250 Digital Interactive Set-Top

Description

The Explorer® 3250 digital interactive set-top will contain all of the features of the Explorer 3200 set-top including twice the amount of Flash memory (8 MB total). With new standards and middleware being developed for future implementation, the additional Flash memory future-proofs the Explorer 3250 set-top for running more software upgrades without having to re-allocate memory.



Standard features will include a 32-bit, 166 MHz processor and a reverse-path DAVIC transmitter capable of sending and receiving data at speeds up to 1.544 Mbps. With its fast response time, the Explorer 3250 set-top will provide consumers with instant, real-time feedback to remote control “clicks” or requests for on-demand content.

Total available memory will be 28 MB, which provides ample support for video-on-demand (VOD), subscription VOD (SVOD), e-mail, chat services, Internet access, and other applications such as games.

The Explorer 3250 set-top also complies with OpenCable, CableLabs/SCTE, and DAVIC standards to ensure broad-based applications support and scalability.

Features

Powerful 166 MHz, 32-bit RISC Processor	<ul style="list-style-type: none">• Delivers fast system response time
28 MB Total Memory	<ul style="list-style-type: none">• 16 MB Applications DRAM• 4 MB Graphics DRAM• 8 MB Flash
Reverse Path DAVIC Data Transmitter	<ul style="list-style-type: none">• Allows instantaneous, IP-based, real-time two-way communication between the Explorer 3250 set-top and the headend• Drives interactive services such as Internet browsing, VOD, SVOD, e-mail, and chat• Transmits and receives up to 1.544 Mbps
Universal Serial Bus (USB) Interface	<ul style="list-style-type: none">• Offers quick and easy connectivity to digital peripherals such as Web printers and cameras
Small Footprint	<ul style="list-style-type: none">• Reduces overall shipping and warehousing costs
Dolby® AC-3® and Musicam Digital Audio Support	<ul style="list-style-type: none">• Provides capability to distribute content in these high-quality audio formats

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PowerKEY® Conditional Access System	<ul style="list-style-type: none"> Secures digital services using an RSA encryption algorithm that mathematically matches pairs of keys
PowerTV® Operating System with HTML Client Engine	<ul style="list-style-type: none"> Offers extensive 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	<ul style="list-style-type: none"> Displays up to 65,000 colors simultaneously Enables high-resolution graphics (640 x 480 pixels) while simultaneously scaling MPEG-2 video
64 and 256 ITU Annex B QAM Support	<ul style="list-style-type: none"> Supports standards-based QAM delivery and demodulation
Analog and Digital Service Tuner	<ul style="list-style-type: none"> Allows both non-scrambled analog and MPEG-2 digital channels to be tuned and displayed
Both Internal Security Microprocessor and Smart Card Slot	<ul style="list-style-type: none"> Provides hardware-assisted conditional access options with capability to upgrade the security, if needed
Macrovision® Copy Protection Support (licensing not included)	<ul style="list-style-type: none"> Activation allows cable operators to add another layer of copy protection software—Macrovision—that restricts unauthorized subscribers from copying digital transmissions such as VOD and SVOD
MPEG-2 MP@ML Digital Video Decompression	<ul style="list-style-type: none"> Allows high-volume transport and decompression of audio and video Powered by 4 MB of onboard dedicated DRAM to ensure fast decompression of MPEG and graphics Provides video resolution up to 720 x 480 pixels
BTSC/SAP Decoder	<ul style="list-style-type: none"> Enables stereo sound on analog channels using the baseband left and right audio outputs
S/PDIF Digital Audio Interface	<ul style="list-style-type: none"> Supports interconnection with surround sound receivers
Name Brand Option	<ul style="list-style-type: none"> A section of the Explorer 3250 set-top faceplate is reserved for prominent display of the cable operator's name and/or logo

Ordering & Availability

Standard Features: <ul style="list-style-type: none"> High-quality digital/analog tuner 166 MIPS 16 MB applications DRAM 8 MB Flash Front panel USB port Interactive navigation buttons - complete set on front panel 	Part Number: <ul style="list-style-type: none"> 752150 Optional Features: <ul style="list-style-type: none"> Expanded memory available through DIMM socket Available: <ul style="list-style-type: none"> Scheduled for release July 2002
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Specifications, features, and product availability are subject to change without notice.



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Part Number 752299 Rev A
June 2002