

Explorer® 1850™ Digital Interactive Set-Top

Description

The Explorer 1850 Digital Interactive Set-Top combines power, speed, and interactive capability in an affordable package. The 32 MB of DRAM and 4 MB of Flash memory provide room for video-on-demand (VOD), subscription VOD (SVOD), and *anything-On-Demand* (xOD) applications. This combination makes the Explorer 1850 Set-Top ideal for populating additional outlets in the home.



Standard input/output (I/O) ports include cable RF as well as baseband video and audio (left and right) ports capable of integrating VCRs with the digital interactive cable TV experience.

The Explorer 1850 Set-Top supports the NTSC standard and also complies with OpenCable™, CableLabs®/SCTE, and DAVIC standards to enable broad-based applications support and scalability.

Features

- 36 MB of total onboard memory
- VOD, SVOD, xOD, and other applications support
- Analog and digital service tuner
- DAVIC reverse path transmitter



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Specifications

Features	Benefits
Powerful 166 MHz, 32-bit RISC processor	Delivers fast system response time
32 MB CPU DRAM 4 MB Flash EPROM	Provides 36 MB total memory to support simultaneous operation of multiple interactive applications, high-quality graphics, and system software
1.544 Mbps Reverse Path DAVIC Data Transmitter	Allows instantaneous, IP-based, real-time two-way communication between the Explorer 1850 Set-Top and the headend Drives interactive services such as VOD, SVOD, and xOD
Analog and Digital Service Tuner	Allows both non-scrambled NTSC analog and MPEG-2 digital channels to be tuned and displayed
64 and 256 ITU Annex B QAM Support	Supports standards-based QAM delivery and demodulation
Both Internal Security Microprocessor and Smart Card Reader	Provide hardware-assisted conditional access options with capability to upgrade the security, if needed Supports third-party conditional access smart cards
PowerKEY® Conditional Access System	Secures digital services using an RSA encryption algorithm that mathematically matches pairs of keys
PowerTV® Operating System with HTML Client Engine	Offers extensive operating system and open Application Programming Interfaces (APIs) to support native applications and third-party middleware applications
Enhanced Graphics Engine	Displays up to 65,000 colors simultaneously and enables high-resolution graphics (640 x 480 pixels) while simultaneously scaling MPEG-2 and video
MPEG-2 MP@ML Digital Video Decompression	Allows high-volume transport and decompression of audio and video Accesses 4 MB of onboard dedicated DRAM to ensure fast decompression of MPEG and graphics and to deliver video resolutions up to 720 x 480 pixels
Dolby® Digital Audio and MPEG-1 Audio Support	Provides capability to distribute content in these high-quality audio formats
BTSC/SAP Decoder	Provides stereo sound on analog channels through the baseband left and right outputs
Integrated VCR Commander™ Service	Automates the recording of selected video programs; requires IR Blaster Cable
Macrovision® Copy Protection Support (licensing not included)	Activation allows cable operators to add another layer of copy protection software, called Macrovision, that restricts subscribers from copying digital transmissions such as VOD, SVOD, and xOD
Provision for Name Branding	Offers the capability to brand the front panel (optimized location) with the customer's company name and logo

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Ordering Information

Contact your Sales Representative for product availability in your area.

Description	Product Photo	Part Number
Explorer 1850 Set-Top		4008986
Optional IR Blaster Cable		735994
Optional IR Extender Cable		1001807
Optional RF Bypass		544345



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