

Scientific Atlanta's Explorer® 4250C™ Series Digital Interactive Set-Top with M-Card™ Interface



Superior Video Services with Separable Security Technology.

Scientific Atlanta, a Cisco company, offers a wide range of robust platforms for delivery of the entertainment, information and communications services your customers crave – in both standard-definition and high-definition. Our Explorer® 4250C™ Series Set-Tops not only tune both analog and digital video, but are equipped with a separable Multi-Stream CableCARD™ (M-Card™) interface* to operate as separable security set-tops.

Our Explorer 4250C and Explorer 4250HDC™ Set-Tops deliver the features that you have come to expect from Scientific Atlanta. From video-on-demand (VOD) to pay-per-view to pristine video and audio, our 4250C Series delivers a full range of premium services. This series marks the first digital interactive set-top with separable security that also tunes analog and digital video signals.

Scientific Atlanta was the first company to receive CableLabs® qualification for the M-Card interface, as announced in March 2006, and continues to lead industry efforts by testing and working with our customers.

Innovation

Scientific Atlanta's Explorer 4250C Series Set-Tops



Explorer 4250C Standard-Definition Set-Top with M-Card Interface



Explorer 4250HDC High-Definition Set-Top with M-Card Interface

Explorer 4250C Series Set-Top Features

Separable Security

- M-Card Interface – Uses a Multi-Stream CableCARD module to provide separable security

Optional OpenCable™ Network Support

- Axiom™ – Will support OCAP™ applications, such as service navigators and games and provides future flexibility as the number of advanced video applications grows and service providers expand their product offerings
- DSG (DOCSIS® Set-Top Gateway) – Will provide a powerful standard transport mechanism for command and control signaling between the set-top and service provider network (optional software)

Conventional Scientific Atlanta Network Support

- SARA Software on a Separable Security Set-Top – Will support native navigator and user interface in a non-OCAP service provider network environment (optional software)
- DAVIC Receiver/Transmitter – Will allow IP-based, real-time, two-way communication between the set-top and the service provider's network for services such as VOD

Standard Features

- Ability to tune analog and digital video signals
- 2 x 250 MIPS with dual CPUs to provide the processing power for feature-rich applications
- Flexible memory options to support either native application or OCAP applications

Explorer 4250C Set-Top Benefits

The Explorer 4250C is the standard-definition model providing a powerful, flexible platform with valuable benefits:

- A comprehensive platform that supports both analog and digital services
- Up to 128 MB** of application and program memory for maximum performance of multiple tasks with speed and power
- Power, capacity and compatibility to help meet existing network configurations and to provide a foundation for future services
- IP-based, real-time, two-way communication between the set-top and the headend for rapid response to remote control demands
- Optional integrated internal DOCSIS cable modem provides a high-speed data path for boosted performance of interactive TV applications, which includes VOD, subscription VOD (SVOD), Internet browsing, e-mail and chat

Explorer 4250HDC Set-Top Benefits

The Explorer 4250HDC Set-Top expands on the 4250C and gives subscribers the ability to access high-definition programming. Encompassing all the benefits of the 4250C, the 4250HDC also features:

- Video output to the HDTV displays in multiple resolutions and allows subscribers to maximize their HDTV image display
- Stretch and zoom of the video picture enables subscribers to maximize the viewable area of their HDTV display
- Easy recording of HD broadcast programming to analog VCRs with automatic standard-definition conversion for VHS tape
- Optional loop-through for a set of component HDTV inputs, a composite video input, and both analog audio and optical digital audio inputs to connect additional electronic devices

Scientific Atlanta's Multi-Stream CableCARD

Our CableLabs-qualified M-Card paired with our latest 4250C set-top platform provides the features and security that enable our customers to deliver protected, advanced digital cable services:

- Qualified by CableLabs in March 2006 – an industry first
- Includes multi-stream functions
- Supports decryption of premium services
- Supported by Scientific Atlanta's Digital Network Control System (DNCS)
- Backwards compatible with current single-stream one-way televisions sold at retail today and future two-way devices
- Simultaneously decrypts up to six video streams
- M-Card can be installed with the Explorer 4250C Series Set-Tops with flush mounting during manufacturing or sold separately



Learn More

Contact your Scientific Atlanta representative today for additional information on how our Explorer 4250C Series Digital Interactive Set-Tops with M-Card can help you achieve your business and operational goals.

* M-Card sold separately

** With OCAP option