

## Scientific Atlanta's DPH548™ Home Networking IP-over-Coax Adapter



### The Bridge Between Coax Wiring and IP Networking.

Information networks and client architectures are in transition. Voice, data and now television can be delivered through one Internet Protocol (IP) broadband connection. The key advantage that IP delivers is the ability to interconnect and share content across multiple devices in the home. With Scientific Atlanta becoming a part of the Cisco family, we can deliver a complete end-to-end IP solution and enable the “quad play” – video, voice, wireless and data.

Scientific Atlanta delivers the complete Internet Protocol Television (IPTV) solution that can take advantage of existing in-home coaxial wiring. Our DPH548™ Home Networking IP-over-Coax Adapter is designed to operate with IP-capable digital set-tops as well as with Ethernet-supported PC or modem devices. And, our Home Networking IP-over-Coax Adapter is compliant with Home Phoneline Networking Alliance (HPNA) 3.0 standards.

# Innovation

# Scientific Atlanta's DPH548 Home Networking IP-over-Coax Adapter

## Eliminate the Need For New Wiring

Scientific Atlanta's DPH548 IP-over-Coax Adapter can eliminate the need to install new CAT-5 Ethernet cables in the home for IP video, voice and data services.

How does our IP-over-Coax Adapter do it? Easy.

IP signals typically enter the home through a residential gateway device like a DSL modem. The Ethernet interface from the residential gateway is connected to the DPH548 IP-over-Coax Adapter, which converts the Ethernet IP signal to radio frequency (RF) for distribution over existing in-home coaxial wiring.

An additional DPH548 IP-over-Coax Adapter can then be installed in another location in the home, which converts the RF signal back to Ethernet for connection to an IP set-top or PC. In the case of Scientific Atlanta IP set-tops, the same HPNA 3.0 technology used in the DPH548 device is already built into the set-top for additional cost savings and convenience.

For enhanced flexibility, the HPNA 3.0 technology incorporated into the DPH548 IP-over-Coax Adapter also supports the distribution of Ethernet IP signals over existing in-home twisted pair wiring.



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### DPH548 IP-over-Coax Adapter Features

Our DPH548 IP-over-Coax Adapter provides an excellent industry-accepted, open standard solution for home networking. It is optimized to support high-speed delivery of video, Voice-over-IP (VoIP) and data services in a cost-effective, reliable manner.

Other key features of the DPH548 IP-over-Coax Adapter:

- HPNA 3.0 compliant
- Data rates up to 128 Mbps burst, 80 Mbps sustained
- Integrated layer 2 switch provides high-speed switching for all connected IP devices
- Dual F-connectors to enable pass through of existing RF video services (54 MHz to 860 MHz)
- Versions available to operate in 4-21 MHz or 12-28 MHz frequency band
- Dual 10/100BaseT RJ-45 Ethernet ports with Auto-negotiate and Auto-MDIX to support up to two Ethernet IP devices per adapter
- LED status indicators for Power, PC/LAN port data activity, STB/Modem port data activity, HPNA link status and Synch
- Negotiated Quality of Service (QoS) flow parameters between devices

### Find Out More

Scientific Atlanta, a recognized leader in video technologies, is your complete end-to-end provider for IP-based home networking solutions. We welcome the opportunity to discuss how our products can help your operation meet its business objectives.