



CATV and 100Mbps IP Networking over a Premise's Existing Coax

Ideal Home Retrofit Solution



TVnet/C Pro - Benefits

- Enables installation professionals to connect any network-enabled product - including home theater equipment, security monitoring, personal computers, game consoles, and broadband modems - in seconds
- Operates above 1 GHz, thus ensuring no conflict with cable television
- Every coax jack in the home is instantly transformed into an Ethernet-transparent voice, video, and data network
- Reliable and secure
- No new software or switch settings required
- Provides two layers of IEEE 802.1p Quality of Service
- HDTV Ready
- VoIP Ready
- Data Ready
- Cable Broadband, DSL & Fiber Ready
- Changes in IP networks and devices do not require any coax network changes or configuration modifications
- Comes with extended warranty and priority Coaxsys customer support

Installation

TVnet/C Pro radically improves installation: There is no rewiring necessary, no switch or IP settings, and no software required. The network has been designed to significantly reduce installation times over CAT-5 rewiring. Simply connect one TVnet/C Pro to any available TV coax at a wallplate, and the TV coax is instantly transformed into an IP network. A TVnet/C Pro is required for each TVnet connection.

Technical Specifications

- 100Mbps Master-Target and 75Mbps Target-Target minimum throughput
- Less than 20 microseconds latency
- Allows for more than 50dB of path loss
- Supports 300 foot adapter-to-adapter runs
- Two F-Connectors work with RG-59 or RG-6 coax
- Works with TV splitters
- Up to nine TVnet connections per network
- Single RJ-45 10/100 IEEE 802.3u compliant Ethernet port
- Coaxsys' coax adapter is Ethernet transparent
- AC power supply and LED indicators for power and network activity
- Auto MDIX

Compatibility

The TVnet/C Pro connects any network-enabled operating system or device with a 100 Base-T, RJ-45 Ethernet network interface. TVnet is the perfect solution for connecting computers, game consoles, or even IPTV services while maintaining CATV compatibility. TVnet/C Pro coax Ethernet adapters are compatible with Windows, Mac, and Linux based PCs.

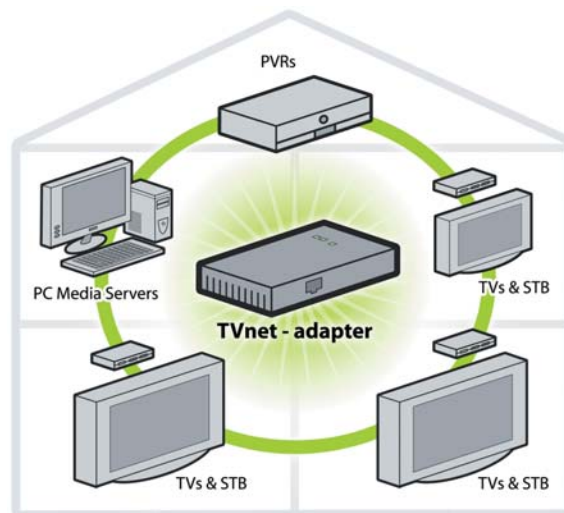
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The TVnet™ Standard

The TVnet standard is a seamless way for companies to deliver Internet applications over existing in-home coaxial wiring. With no additional software, no expensive or lengthy installation, and no rewiring necessary, TVnet is truly a plug-and-play solution for in-home networking. After connecting a TVnet adapter to the video or broadband source, all coax jacks throughout a home become network-enabled. End users can then gain access to the Internet, stream high-quality video and audio (including HDTV and multichannel TV), and share peripherals by simply connecting a TVnet adapter to the coax jack.



TVnet/C Pro - Benefits to the Installer

Custom installers face a number of challenges in a home or MDU installation. Customers are demanding more - a networked home theater system, networked security cameras, high-speed Internet, VoIP access, IP video distribution, and the interconnectivity of multiple IP-ready devices. The more complicated an installation, the more time-consuming. To install the required IP network, it was once necessary for installers to punch holes in customers' walls and rewire buildings with CAT-5. Yet, rewiring not only adds considerable time and cost to the installation, but also increases customers' hesitation.

TVnet/C Pro removes the need to rewire by expanding the functionality of the coax that already exists. Instead of running new wires, installers can create an instant IP network simply by plugging a TVnet/C Pro into a coax jack. And, because each TVnet/C Pro network supports up to nine rooms (and multiple connections per room), the installer can accomplish even the most complicated installations more rapidly.

TVnet/C Pro - Benefits to Consumers

TVnet/C Pro expands the functionality of the coaxial cable that already exists. In addition to transmitting cable television, TVnet/C Pro enables high-speed IP networking without having to rewire with CAT-5 cable. For homeowners, this means a high speed network without damage to the premise - and without reduced performance.

TVnet/C Pro delivers everything that a consumer wants from a network - high speed, reliability, and security - without the hassle and cost of rewiring.

TVnet/C Pro Product Specifications

Performance

- 100 Mbps minimum sustained throughput at the network layer; less than 20 microseconds latency.

Loss budget

- 50dB adapter to adapter inclusive of coax, splitters, couplers

Dimensions

- 77.5 x 115 x 25 mm

Weight

- 4.59oz (130g)

LEDs

- Power (PWR)
- Coax
- Ethernet (ETH)

Power Input

- 100-240VAC @ 50~60Hz
- External 12VDC 1000mA

Operating Temp

- 0°C to 50°C

Storage Temp

- -20°C to 80°C

Operating Humidity

- 10% to 90%
- Non-Condensing

Network Interface

- RJ-45 (100 Base-T Ethernet)

Ethernet Standards

- IEEE 802.3u 100 Base-T Ethernet

Certifications

- FCC Part 15 Class B
- CE
- CSA

Spectrum

- Operates above 1GHz
- Does not conflict with CATV

#1 in IPTV Networking



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