



COPILOT™ FEATURES & SPECIFICATIONS

COPILOT™ ADVANCED PRODUCT FEATURES

'Three-in-one' Broadband Connectivity – This stand-alone modem-based product fully integrates a DOCSIS 1.0/1.1 cable modem with router/gateway technology and a wireless base station that enables both wired and wireless networking capabilities.

Signal Security, inside and out! – 40/128-bit WEP encryption, and the use of triple DES algorithms, ensures data privacy and allows your customers safe and secure networking for both WLAN devices and external network services available through broadband cable Internet access.

One Size Fits All – Built with the growth of both wired and wireless networking in mind, **CoPilot** gives your customers a host of connectivity options. Offering wired and wireless network ports, plus a USB "plug and play" connection for your PC, **CoPilot** can provide data transfer rates of up to 11Mbps to clients supported by optional 802.11b remote access PCMCIA cards.

Administration Made Easy – **CoPilot** makes management of a home gateway a snap, with DHCP (Browser configuration), transparent bridging for IP traffic and remote operating firmware download and update capability to optimize your broadband network and services.

System:	Broadcom processor, DOCSIS certified cable modem with 802.11b wireless LAN Access Port
Wireless:	Built-in IEEE802.11b Wireless Access Port function Modulation 2.4GHz Direct Sequence Spread Spectrum (DSSS) Up to 11Mbps/ 5.5Mbps/ 2Mbps and 1Mbps wireless connectivity to wireless clients Support Wired Equivalent Privacy Algorithm (WEP) Roaming by Association/Re-association/De-association Bridging wired and wireless segments of network
Router/Firewall:	Four ports 10/100BaseT Ethernet switch with auto-negotiation function and auto-media dependent interface cross over (MDIX) USB 1.1 PC Connector for USB interface Home PNA 2.0 support NAT (Network Address Translation) to support multiple users with one IP account for routing mode Transparent bridging for IP traffic for bridge mode DHCP addressing IP packet filtering
Security:	RSA and 56-bit DES data encryption Interoperable with any DOCSIS and CableHome compatible cable routers and headend equipment SNMP v1/v2/v3 network management support Remote operating firmware downloading Support web pages and private DHCP server for status monitoring LED displays for power on, cable connection, data transport, and wireless operating mode 2 internal PCB antennas Interoperable with WiFi compliant IEEE802.11b wireless LAN cards
Cable Modem:	DOCSIS1.0/1.1, CableHome 1.0 compliant Up to 42.88Mbps downstream and up to 10.24Mbps upstream, two-way cable residential gateway F-connector for the cable interface
Other Features:	FCC Part15, Class-B UL1950 CE, Class-B Self-diagnostics auto run at start up



CONNECTING PEOPLE WITH ENTERTAINMENT.

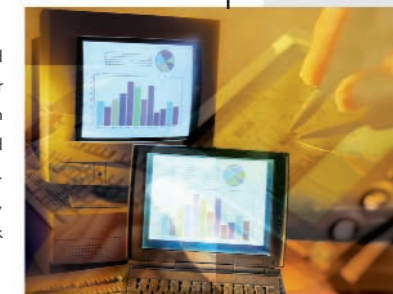
© 2002 Pioneer Electronics (USA), Inc., 2265 East 220th Street, Long Beach, CA 90810, USA 800-421-6450/ Fax 310-952-2786. PowerTV™ and Broadcom™ are trademarks of PowerTV, Inc. and the Broadcom Corporation, respectively. Specifications are subject to change without notice.



KEY FEATURES



CoPilot's integrated DOCSIS 1.0/1.1 cable modem will give your customers blazingly fast Internet access whether on a desktop computer or via a PCMCIA enabled laptop.



CoPilot's router/gateway and wireless capabilities give your customers complete freedom to network their wired and wireless computing devices. Desktop computers, laptops, PDA's- all can utilize network and Internet access.



CoPilot is WiFi compliant making home networking and broadband Internet access available anytime, anywhere throughout the home with IEEE802.11b wireless LAN or PCMCIA cards.



Offering wired and wireless network ports, plus a USB "plug and play" connection for your PC, CoPilot can provide data transfer rates of up to 11Mbps to clients.

HOW THE BROADBAND HOME BECOMES REALITY.

The advent of wireless computing, interactive digital cable, high-speed Internet access, portable digital A/V, has transformed our homes into hi-tech wonderlands. As the adoption of these technologies grows, so too, does the demand for greater synergy between these digital products—streamlined interoperability for easier convergence.

Home Sweet Networked Home

Broadband connectivity takes another huge leap forward with the introduction of Pioneer's CoPilot™ WLAN DOCSIS Cable Modem. Designed and developed by Pioneer, this wireless gateway device was created specifically to meet the broadband needs and expectations of the burgeoning residential gateway market.

With CoPilot's capabilities, you can help bridge your customers' home networks with the digital content and external network services you provide, all through a

The CoPilot Gateway Solution



robust unified gateway solution. Your customers can now enjoy the unfettered freedom of wireless broadband connectivity anywhere in or around their home.

CoPilot offers a host of wired and wireless connection options including Ethernet and USB, circumventing the need for multiple devices. CoPilot's software control, initially configurable through a Web browser, gives customers an easy-to-use interface for set-up and administration.

Pioneer is of the few cable manufacturers to provide a fully integrated wireless cable networking solution. CoPilot is a gateway/ router, with wired and wireless networking capability, combined into a DOCSIS compliant cable modem and all included in a single desktop device. This convenience alone allows consumers to replace up to 3 separate devices with one streamlined unit.