

The high-performance, discrete IP appliance for all secure videoconferencing applications.

HotLink-IP™

SECURITY APPLICATIONS

- Encryption of End-Points
- Encryption of MCU Ports
- Firewall Protection



## Promptus *HotLink-IP*

**HotLink-IP™ is a hardware-based IP encryptor and firewall, which provides end-to-end authentication and real-time encryption for safe and secure videoconferencing across Internet Protocol networks.**

**Featuring Ethernet interfaces and effortless installation, HotLink-IP offers the ideal, affordable and compact solution for secure IP videoconferencing on any scale of deployment and physical environment.**

**Promptus**  
**INFOCrypt®**  
Secure access to a digital world.

HotLink-IP is a high-performance, miniature hardware-based, digital encryption device equipped with Ethernet interface ports. Easy to place anywhere - as an unobtrusive set-top or desk-top device - HotLink-IP locates between the network and the end-user IP videoconferencing device in any room, group, desk-top, SOHO or mobile videoconferencing setting.

### Secure IP Videoconferencing

HotLink-IP is ideal for the deployment of secure LAN and WAN videoconferencing networks operating at data rates of up to 50 Mbit/s. Encrypted point-to-point, multipoint or hybrid videoconferencing networks are all supportable by HotLink-IP at end-points, multipoint control units, gatekeepers and gateways.

Being an independent device, HotLink-IP is 100%-compatible with new videoconferencing networks and retro-fitable to existing networks of any brand, or combination of brands. Interoperability between encrypted end-points is assured, enabling secure video calls to be placed to any destination.

### Encryption

Driven by an advanced Intel® CPU, HotLink-IP uses a hardware-based, symmetric 256-bit AES encryption (and 168-bit Triple-DES) algorithm for encrypting the data stream, ensuring that conferences are immune to eavesdroppers. Confidential discussions remain just that, confidential.

Most on-board videoconferencing encryptors compete for resources with the host-processor's demanding codec role. HotLink-IP is external, incorporating a powerful purpose-built microprocessor, thereby freeing the videoconferencing system to do its job without call set-up delay or mid-call compression latency. It also enables best-of-breed videoconferencing equipment choices to be made independently of security considerations.

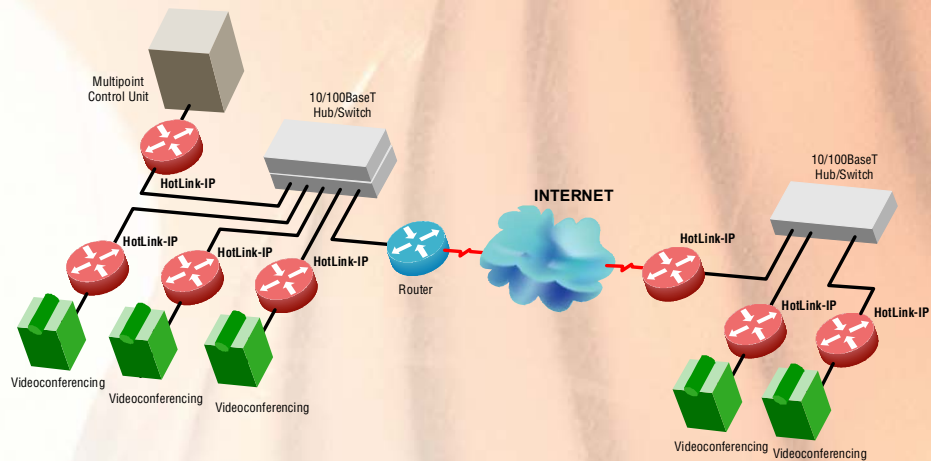
### Firewall

HotLink-IP incorporates a built-in firewall to prevent malicious denial-of-service attacks reaching the end-points. Also, by inspecting and analysing packets traversing the ports, the firewall actively identifies intrusion attempts by malevolent outsiders.

# Promptus HotLink-IP™

## Applications

HotLink-IP™ is ideal for securing and protecting videoconferencing over IP networks of any size. Placement at the network periphery ensures conferencing security by protecting traffic, from both internal and external eavesdroppers, right up to the end-points. Likewise, the in-built firewall function protects from hackers, attackers and viruses.



### TECHNICAL SPECIFICATION

#### Size

- Dimensions: 0.8 x 2.4 x 4 inch (20 x 56 x 95mm)
- Weight: 4.25 oz (120g)

#### Power Supply

- Input: 110 - 264VAC 50/60Hz 30mA
- Output: 5Vdc 500mA

#### Environment

- Temperature: 32 to 122°F (0-50°C)
- Relative Humidity: 20-50%, non-condensing

#### LAN & WAN Interfaces

- Two Ethernet IEEE 802 10/100 Mbit/s ports
  - Auto-Negotiation (auto bandwidth selection 10/100BaseT)
  - Auto-MDIX (no crossover cables required)
- LAN: RJ45 Plug
- WAN: RJ45 Socket

#### Encryption

- Hardware based:
  - 256-bit, 192-bit, 128-bit AES, and
  - 168-bit Triple-DES (3DES)

#### Firewall

- Stealth Mode (transparent IP Bridge)
- Configurable Firewall Rules
- Anti-Spoofing
- NAT - includes address masquerading, port forwarding

#### VPN Functionality

- IPsec standards based implementation
- Support for Transport and Tunneling Modes of ESP
- Hardware based AES (256-bit) and Triple-DES (168-bit)
- L2TP with IPsec
- IPsec NAT Traversal (NAT-T)
- Net-to-Net, Net-to-Host, Host-to-Host support

#### Key-Exchange & Authentication

- Pre-Shared Key (PSK) or X.509 V3
- Diffie-Hellman (DH) Groups 2 and 5
- RSA (up to 4,096-bit key)
- Main and quick modes for Internet Key Exchange (IKE)
- Perfect Forward Secrecy (PFS)
- MD5 and SHA-1

#### Management

- Web-based remote management via secure HTTPS

## Features

- 100% standards-based & standards-compliant
- Compact, dedicated encryptor for secure IP videoconferencing
- High-performance, hardware-based AES & Triple-DES encryption
- High throughput - up to 50 Mbit/s for encrypted traffic
- No load on host videoconferencing processor
- No call set-up delays & no mid-call latency
- Built-in Firewall function for enhanced security
- Stealth Mode for easy network deployment
- Retro-fitable to existing VC networks
- Compatible with all IP VC systems, MCUs, gatekeepers & gateways
- Unobtrusive – ideal for set-top or desk-top
- Easy, secure local & remote management



Secure access to a digital world.

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