

Commatch 6005

Enabling VoIP (H.248) Using Legacy Networks

Making Real World
Communications
Simple



BENEFITS

- Immediate interoperability of IP and TDM based networks
- Field-proven solutions
- Superior customer care and product reliability
- Quick implementation
- Signaling conversion: H.248 to V5.2

The Commatch 6005 Provides conversion between V5.2 and H.248 voice protocols. Fixed line operators with legacy TDM switches are making the upgrade to support voice and data services over Digital subscriber line (DSL) technology with Multi-Service Access Gateways (MSAGs) or Multi-Service Access Nodes (MSANs).

These operators are looking for smooth transitions to all-IP Networks. The Commatch 6005 allows smooth transition between TDM networks to IP networks.

Rather than implementing a solution that includes a softswitch and a trunk gateway, operators can preserve the investment in TDM switches by placing the Commatch 6005 gateway between the IP network and the TDM switch, seamlessly transferring all basic voice and advanced telephony services, such as Caller ID, call waiting, fax and conferencing, to VoIP telephony service.

Using the Commatch 6005 access gateway, operators dramatically reduce costs and implementation time when upgrading a system to use MSAG/MSAN for providing last-mile access.

Telrad provides a unique solution for rapid integration of IP-based voice technologies with legacy systems. Telrad's field-proven solutions quickly integrate into existing networks, to provide seamless interoperability between TDM and IP based networks.

The Commatch product family provides reliable, field-proven products for the telecom industry worldwide.

Reliable solutions

Replacing existing edge equipment with MSAGs means taking on some technological risks: connectivity to the legacy voice networks does not have to be one of them. Connectivity between next generation and legacy systems has been Telrad's expertise since the advent of IP telephony networks. Operators can count on Telrad's solutions for rapid implementation and reliable ongoing support.



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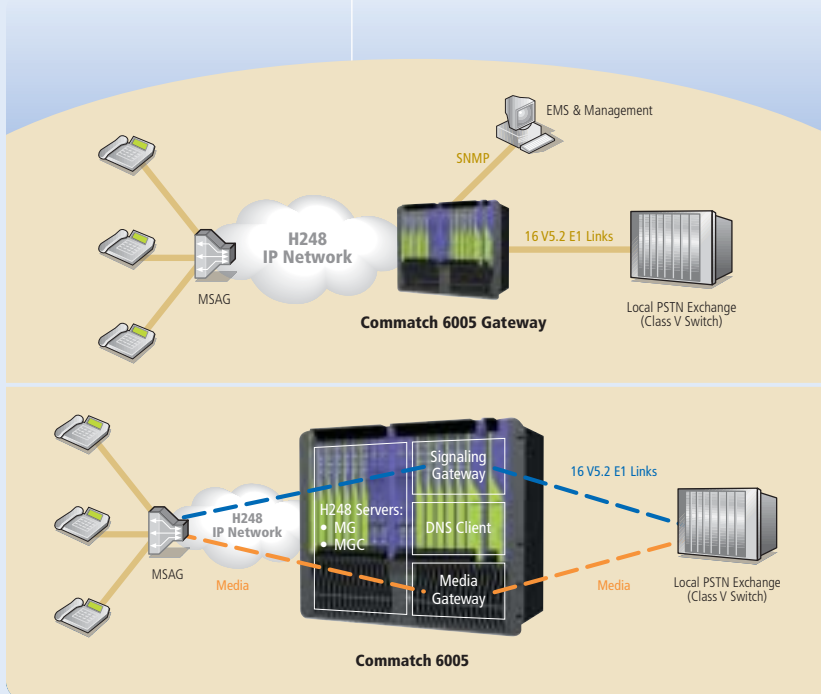
Specifications

The Commatch 6005 is provided in two different shelf configurations:

- Large configuration in a 6U, 19" cPCI shelf. The shelf has sixteen (16) physical card slots. Up to 3 redundant gateways in 6U shelf: 48 E1s.
- Small configuration packed in a 2U, 19" cPCI shelf. The shelf has four (4) physical card slots. Up to 2 non-redundant gateways in 2U shelf: 32 E1s.

The Commatch 6005 gateway supports the following:

- Protocols: H.248, V5.2
- Codecs: G.711, G.729A/B, G.723
- Media and signaling handled in the same platform
- Telco-grade redundancy and fault protection
- 1 to 16 E1 per gateway
- 5,000 subscribers
- 480 concurrent calls
- 15,000 BHCA
- Echo cancellation 128ms
- Adaptive dynamic jitter buffer
- Voice Activity Detection (VAD)
- Silence suppression and comfort noise generation
- RFC 2833 support for DTMF transmission
- FAX/Modem Voice Band Data calls
- T.38 support for fax communication
- Diffserv handling
- Multiple management options (SNMP, CLI, FTP, Telnet, RS-232)
- Java based Element Manager
- Secured remote Telnet connection (using SSH protocol)
- Advanced management tools



About Telrad Networks Ltd.

Telrad is an established telecom equipment and services organization that has been providing communications products and services used by millions of end-users worldwide. The company combines a high level of dedication to customer service with expertise in developing products in the areas of IP NGN, gateways, optical, metro, enterprise, wireless, and switching.

Telrad is focused on providing dedicated, trustworthy and robust solutions to its OEM and ODM customers, as well as to operators in emerging markets. Telrad is a privately-owned company founded in 1951.

HEADQUARTERS