Avaya G250 Media Gateway

An enterprise branch office gateway designed to serve the communications needs of a small branch offices with 2 to 12 extensions. This powerful branch communication solution packs an IP telephony gateway, an advanced IP WAN router, and a high-performance LAN switch into a compact, 2U high 19" rack mountable chassis.

The system gains its functionality from a centralised Avaya Media Server running Avaya Communication Manager, but has several survivability options that allow communications to continue operating even if the connection to the main server is lost for any reason.

The Avaya G250 Media Gateway allows organizations to economically extend their headquarter communication applications such as the Avaya Communication Manager and the Avaya Modular Messaging out to their branch locations to achieve lower overall costs and increased collaboration across their entire organization.

An advanced TDM/IP architecture provides seamless connectivity and communications between a wide variety of analogue, digital, H.323, and SIP-based IP telephony devices and applications. To enhance security, the G250 can secure VoIP media streams using Advanced Encryption Standard (AES), approved for use by Government agencies to protect sensitive information.

The Avaya G250 also functions as an edge router to support the consolidation of voice and data traffic over an IP network. Optional IP WAN routing media modules add support for PPP/Frame Relay connectivity over E1/T1 or Universal Serial Port (USP) interfaces. The G250 media gateway can also connect to an external WAN device via a fixed 10/100 Ethernet WAN router port, which supports traffic shaping to match data transfer rates with available WAN bandwidth.

Features:

Headquarters Communications Extended to the Branch - The G250 allows enterprises to extend their enterprise communications applications out to their branch office locations to facilitate productivity and collaboration at the branch offices.

Communications Continuity - The gateway provides branch office users with a highly resilient system that continues to provide communications capability even if the connection between the office and primary headquarters is lost.

Converged All-in-One Unit - The G250 integrates telephony, routing, and data switching into one box, reducing the overhead and complexity of managing disparate gateways, routers, and switches.

Centralised Applications Management - The resources required to manage branch communications are significantly reduced as the gateway extends a single centralised set of communications applications to the branch.

Emergency Transfer Relay (ETR) - This feature allows emergency calls even in the event of power failure