

Ai-5000 - Convergence Gateway - Concentrator

Ai-5000 – MPoIP Concentrator Device

Features include: IP Router, Firewall, VPN, IPQoS, RAS, and MPoIP Concentrator on a single platform.

- ✓ MPoIP Concentrator with RADIUS support
- ✓ Support for up to 300 MPoIP CPE connections
- ✓ Combines unbalanced and dissimilar links
- ✓ Automatic failover with carrier diversity
- ✓ No loss of Data or live VoIP calls on failover



- 1U 19" Rack mount Chassis
- 2GB Memory
- 4 x 10/100Base-T Network Ports
- 2 x 32Bit PCI
- 2 x USB Port
- 1 Console Port

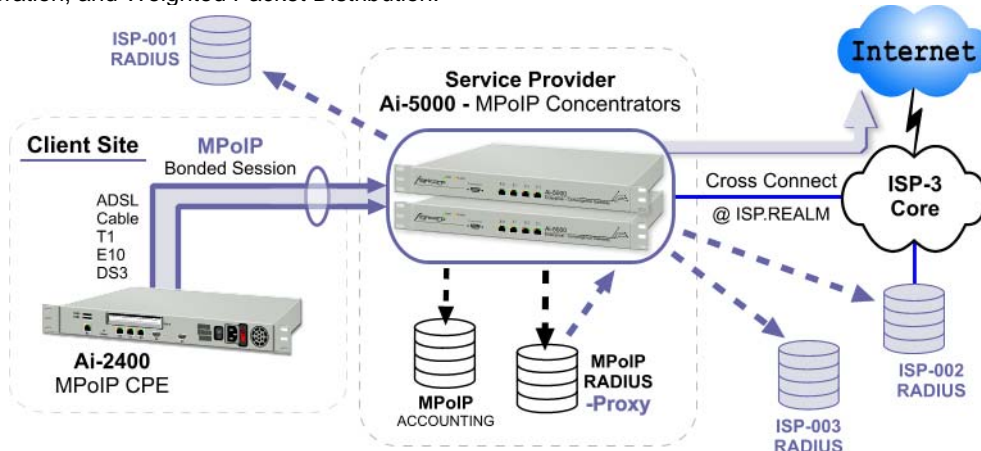
Powered by AgniOS™ Convergence Gateway Operating System

AgniOS™ is a convergence gateway operating system designed for high availability networking.

	IP Router	IP Routing, Multiple DHCP Client / Server, DHCP-Relay Agent, Multiple PPPoE Client / Server, MPoIP CPE / Concentrator, VLAN, NAT
	Firewall	Packet filtering firewall, software module that inspects connections on a packet-by-packet basis, and performs connection oriented filtering.
	VPN	A VPN, or virtual private network, software module supporting IPsec, PPTP-Server, PPTP-Client, and RADIUS authentication for remote users through PPTP.
	IPQoS	Supports IP Precedence, IPTOS, DSCP, and Custom Classification methods to deliver traffic engineering through Priority Queuing. Bi-Directional IPQoS is supported through the MPoIP System.
	Wireless	An advanced, high performance, 802.11 Wireless Networking Technology for Internet Protocol Networks. Using the Agnicorp Convergence Gateways, customers can converge applications over wireless IP networks as a wireless access point, client, or fixed wireless solution.
	MPoIP	MPoIP (Multilink PPP over Internet Protocol) technology uses bonding to split all TCP/IP sessions and distribute their data packets over diverse links, across multiple connections, and then recombines them at the service provider for delivery on to the Internet. This system supports bonding over dissimilar links, providing bi-directional control for IPQoS, Acceleration, and Weighted Packet Distribution.

MPoIP System Service Delivery – Bonding & High Availability

Using Agnicorp technology, service providers can create the MPoIP™ System to deliver customized solutions to the end customer. Requires both a customer CPE device (Ai-2400) and Service Provider Concentrators (Ai-5000). Supports AAA authentication services and bi-directional control for IPQoS, Acceleration, and Weighted Packet Distribution.



Benefits:

- All-In-One Device
- Concentrator for the MPoIP™ System
- NAS Support with RADIUS
- Supports up to 300 MPoIP CPE connections
- Aggregates Bandwidth
- Diverse Carrier Support
- Automatic Failover
- No dropped VoIP calls on failover

Hardware:

Dimensions: 1U x 19"
Processor: P4 – 2.8GHz
RAM: 2GB
Power: 1 x AC, 2.5 amp
Console: DB9 RS232
Ethernet: 4 x 10/100BaseT
Expansion: 2 x 32bit PCI

Expansion:

- 4Port 10/100BaseT
- 1 or 2 Port 1000BaseT
- IPsec VPN Accelerator
- 802.11b Wireless

Software:

IP Router: IP, BGP, Multicast PIM-SM, 802.1Q VLAN, NAT, DHCP Client/Server, DHCP Relay, PPPoE Client / Server, MPoIP Client/Server, SNMP, VRRP, MPRP.

Firewall: Stateful Packet Filter, Time Based Profiles, Multiple Profile Support, Bandwidth Counter with SNMP Support

VPN: IPsec Concentrator, PPTP-Server with RADIUS authentication, PPTP-Client

IPQoS: Priority Queuing over MPoIP supporting IP Precedence, IPTOS, DSCP, Custom Classification

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