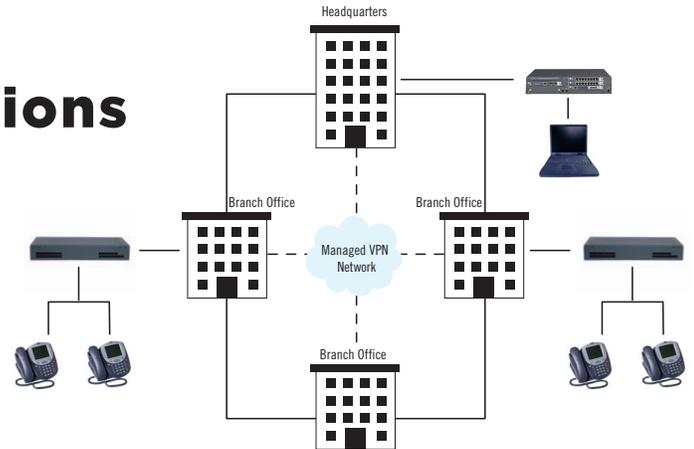# AVAYA

IP Office
Networking Solutions

Overview

With Avaya IP Office you can network telephony and data services via a T1, SIP, PRI & BRI ISDN, including VoIP on the company WAN. Networking maximizes the current potential of your branch office and remote workers — while building the best possible foundation for your future growth.

Capabilities

Networked telephony — IP Office provides each location with a scalable (up to 360 users) telephony solution that supports voice networking, and offers:

• A uniform dialing plan, making it easy to call co-workers anywhere on the network and improve customer service

• Consistent user experience by sharing the same phones and messaging interface as in headquarters

• A user-defined central directory that is automatically synchronized

• Least cost routing and bandwidth on demand

• Centralized voicemail and/or the ability to network voicemail systems together

Networked data — With its built-in router, IP Office offers networked voice and data communications, providing:

• One link for voice and data networking

• Common access to the Internet; share files and send e-mails to other sites

• Support for RIP-2 protocol for dynamic data routing; IPsec VPN, firewall and NAT (Network Address Translation) for security; Centralized management and proactive fault management via SNMP
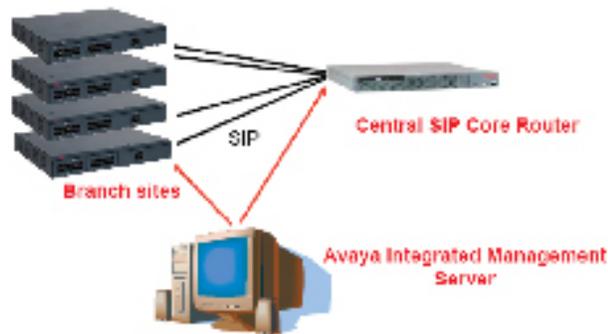
Benefits

• Operate a network of branch offices with a consistent set of communications and services across all locations; gain the efficiencies of universal functions and end-user familiarity.

• Leverage your existing investment in Avaya systems in your corporate headquarters

• Centralize services (e.g. operator, voicemail) as well as management and administration to reduce costs

• Speed deployment of remote offices — respond more quickly to market demands

• Improve inter-site communication to simplify information exchange and enhance customer service

Avaya Advantage

All IP Office Platforms have an integral router with support for bandwidth-on-demand, allowing the negotiation of extra bandwidth dynamically over time.

IP Office Networking Options

	Small Community Network	Branch Office Communications
Format	All IP Office Networked Solution	IP Office Networked To Avaya Communication Manager
Capacities	• Up to 500 users across 16 sites • If larger networks are required, QSig can be used to link multiple Small Community Networks together. Functionality between the communities is governed by the QSig feature set.	• Supports Q.Sig/H.323 voice networking over structured lease circuits and VoIP over managed IP VPN, Frame Relay network, LAN or ISDN
System Requirements	Any IP Office platform networked to one or more other IP Office locations. All locations require Standard Networking licensing.	Any IP Office platform networked to Avaya Communication Manager or Integral 5 Communications Servers at headquarters
User Requirements	NA	NA
Feature Detail	When networking IP Office systems over IP or packet based networks, Small Community Networking enhances feature transparency. The following additional features are available: • Busy Lamp Field • Camp-on • Call Back When Free • Paging • Call Pick-up • Desk-to-desk calling • Calling/connected name and number • Hold & Transfer • Centralized Voicemail (VoiceMail Pro)— support for mailboxes, call recording, dial by name and auto attendants • Internal Directory • Absent Text Message • Anti-Tromboning When networking with Advanced Small Community Networking licensing, the following additional features are available: • Hot-Desking • Distributed Hunt Groups - including support for remote queuing • Breakout Dialing	IP Office to HQ: • Desk-to-desk calling • Calling/connected name and number • Hold & Transfer • Centralized Voicemail (transparent integration with Avaya INTUITY® AUDIX® system or Modular Messaging) • Networked Voicemail (message networking)

Format	All IP Office Networked Solution
Capacities	Up to 1000 systems
System Requirements	Star topology with each IP Office system (R4.1) linked via a SIP trunk to the SIP Enablement Services server (SES). Each IP Office system is configured in the SES as a trusted host. The IP Office system configuration is centrally managed via Avaya Integrated Management.
User Requirements	NA
Feature Detail	IP Office to IP Office: • All branch extensions are reachable from any branch, using a single enterprise-wide private dialing plan. • Within this dialing plan, each extension number is represented by a branch prefix followed by a local extension number. • IP Office systems direct all private network calls to the SES.

ISO CERTIFIED
9001 • 14001