



IP600 Internet Protocol Communication Server

The No-Compromise IP Solution
for All Your Communications



Converged Voice and
Data Networks
Customer Relationship
Management
Unified Communication
Supported by:
Avaya Labs and Services

Communication without boundaries

When you're serious about adding voice communications to your IP network, the Avaya IP600 Internet Protocol Communication Server is your no-compromise solution. The IP600 Server offers an ***unmatched combination of flexibility, efficiency and advanced voice communication applications*** to help you compete in today's Customer Economy.

Avaya quality and reliability are built into the IP600 Server. It provides the comprehensive call-processing features you require to seamlessly handle mission-critical eBusiness and voice communication over your data network.

With the IP600 Server, your voice and data networks are one. You get communication without compromise.

Slotted into a standard ***19-inch data equipment rack***, the IP600 Server brings advanced call processing software from Avaya Labs – "voice wisdom" ***perfected through years of experience with nearly one million customers*** – into the IP telephony environment.



Universal Access to Advanced Applications

With a capacity of up to 450 station endpoints and 300 IP trunks (Avaya Call Processing Rel. 10), the IP600 Server is an excellent choice for single locations requiring between 40 and 400 IP endpoints. To serve larger locations or additional sites, you can network multiple servers together to handle more than 25,000 endpoints.

Because the world of mobile workers, remote sites and multimedia you communicate in is far from simple, the IP600 Server gives you the flexibility to choose from a variety of networking options: such as money-saving Internet Protocol (IP) connections of course, plus T1 or international E1 broadband channels and analog lines and trunks. Indeed, if it makes sense for your business, the flexibility of the IP600 Server enables you to use IP and switched lines and analog, digital and IP phones all at once.

Put Your Mind at Ease

The IP600 Server makes the power and reliability of the world famous DEFINITY® platform available to your business in an application-rich, cost-effective solution. It delivers renowned DEFINITY system reliability for the most critical system applications, helping to ensure the value of your communications investment. The IP600 server's remote monitoring and "self healing" capabilities add to the overall reliability and serviceability of the solution.

To keep your network safe, the IP600 Server incorporates robust security features, including encrypted, secure log-ons and Avaya's proven anti-toll fraud protections. Using the IP600 Server's administrative Web interface, you can make changes and updates quickly from just about any location on your network, helping ensure that your system is configured and functioning exactly as your business requires. The remote diagnostic capabilities engineered into the IP600 Server help keep it online and working for you.


Do More with Your Network

If you're considering an IP-based voice communications system, it's likely that efficiency and cost savings are high among your goals. Using a single network for both data and voice communications offers tremendous potential savings



IP600 Internet Protocol Communication Server

Offering Enterprise Class reliability and advanced call processing software from Avaya Labs — perfected through years of experience and nearly one million customers.



by cutting duplication, simplifying administration and getting more value from your existing data network. For instance, you may reap savings in long distance charges simply by routing your international and local voice traffic over your IP network.

Efficiency and productivity are built into the IP600 Server. To use network resources efficiently, the server routes voice communications packets directly from peer to peer – for instance, from phone to phone. Only when necessary, as when special call handling is required, are packets routed through the communication server.

This advanced IP call handling reduces demands for critical and costly media processor resources. Bottom line: you can do more, without expanding or overloading your existing network.

Rich Features for Voice Communications

Avaya's Call Processing (ACP), Release 10 software is built into the IP600 Server, together with DHCP and TFTP servers, multi-media messaging and desktop message management, six-party conferencing, call coverage, attendant console support, multiple line appearances, bridged appearances, speed dialing, Avaya site management software and many other features. All are available without separate applications servers or adjuncts.

This new software provides enhanced flexibility, reliability and performance for the IP600 Server. In addition, to enhance customer service and better address customer needs ACP R10 provides Remote Feature Activation allowing for fast and easy upgrades; feature and application additions; and license file creation and deployment all which help to simplify the provisioning process.

Call Center-Ready


Customer contact centers are communication-intensive operations central to your business success. The IP600 Server includes Avaya ACD software for 100 agents as a standard feature, to serve call center customers over your IP network. Announcements, reporting and enhanced call center software are available when more power is needed. The Avaya IP Agent softphone design is tailored to the special needs of the busy call center agent, providing the call center features that are not available on a standard softphone. These valuable call center capabilities are engineered in and optimized in the IP600 Server, making it the IP solution that's truly call center-ready.

In addition to advanced applications from Avaya, third-party applications are readily accessible through the most robust set of application programming interfaces in the industry. The IP600 Server, developed on a Microsoft Windows 2000 programming platform, uses open platforms and standard-based application programming interfaces. It provides an ideal starting point for incorporating a whole new set of applications to improve your business. Five universal card slots make it easy to add additional capabilities, such as wireless.

Introducing Enterprise Class IP Solutions

Because it's part of Avaya's Enterprise Class IP Solutions family, the IP600 Server is designed to work seamlessly with these other products to create a comprehensive IP communication solution.

Avaya IP telephones 4606, 4612, and 4624 provide the complete Avaya feature set – the features employees expect – in phones connected to your network through a standard Ethernet connection. An Ethernet socket for a PC



is integrated, and you can easily program new features – such as applications for the built-in infrared port – by downloading new firmware.

The Avaya R300 Remote Office Communicator seamlessly extends the IP600 Server's features and applications to remote locations over your wide area network. So you can easily establish branch offices and remote customer contact centers, while you retain the benefits of central administration. Long distance savings are another payoff. For instance, when making long distance calls to the area of an office equipped with the R300 Remote Office Communicator, you can route those calls over your IP network to your R300 system, then hop onto the local network to complete the calls – minimizing toll charges.

For employees in the office or on the road, the Avaya IP Softphone turns a PC or laptop into a voice terminal that delivers the full capability of the IP600 Server over a 56K dial up connection. It's a perfect answer for telecommuters and road warriors who need robust communications and a choice of familiar, user-friendly on-screen interfaces. And it's a cost-saving alternative for computer-equipped office workers who need full voice communication system functions, but don't need or want a separate telephone.

You seek systems that can lower costs and improve productivity. Avaya's Enterprise Directory Gateway (EDG) provides a converged voice and data directory-enabled middleware solution – an ideal platform for simplifying information management. Enterprise Directory Gateway "LDAP-enables" the Avaya IP600. It provides real-time, integrated, directory-based read/write access to both your Avaya communications server-based data and data derived from your enterprise sources, such as your corporate databases. Users can create and access up-to-date voice and/or data information quickly and efficiently.



The Avaya Edge in Service and Support

Avaya and its network of authorized BusinessPartners provide the service and support you need to help ensure your mission-critical communications systems are performing at their best. We're your single-source provider of robust solutions for equipment, system design and installation services. We tailor services solutions to suit your network, your applications and your budget.

Combining your voice and data networks should make life easier – not more complex. The IP600 Server and other Avaya products are designed to work together, providing the flexibility, efficiency and voice wisdom you need to confidently move your voice communication to your IP network.

Avaya IP600 Internet Protocol Server:
The no-compromise IP solution.

To learn more, contact your Avaya representative, authorized BusinessPartner, or visit our Web site at avaya.com.

- Universal Access to Advanced Applications
- Put Your Mind at Ease with Robust Security and Remote Diagnostics
- Do More with Your Network...Engineered to Make Maximum Use of Communications Server
- Rich Features for Voice Communications Over Your IP Network
- Call Center-Ready
- Global Availability

Specifications

Designed for Mounting in a Standard 19-inch Data Rack:

- 19 Inches Wide
- 7U (12 inches) High
- 22 Inches Deep
- 500 MHz Pentium III processor with 256 megabytes of RAM
- 20 gigabyte hard drive for storage of dynamic system information
- DHCP and TFTP servers co-resident on processor

Environmental Conditions:

- Well Ventilated Area
- Recommended Temperature – 65 to 85 degrees F
- Recommended Relative Humidity – 20 to 60 percent

Support of World Class AC Power Standards:

- 120/240 VAC Auto Ranging
- Power Factor Correction

