

More than ever, companies are building virtual enterprises with converged networks to connect themselves more closely to their customers, suppliers, remote workers and their own offices. Distance is no longer a barrier to doing business and communications is the key to capturing new markets, improving employee collaboration and serving customers better.

The Millennium IPConnect can enable you to reduce your operating costs and maximize employee effectiveness while providing the best of both digital and VoIP technology in one platform. Whether you want to implement VoIP gradually or build a VoIP infrastructure from scratch, the Millennium provides you the freedom to choose when to deploy this technology.

Millennium IPConnect Advantages

- **Reduce networking costs by using the existing WAN to carry VoIP calls between networked locations.**
- **Improve employee productivity and team working by sharing system resources across multiple sites.**
- **Lower employee absenteeism by offering effective work-at-home solutions with VoIP connectivity.**
- **Deploy IP telephony when and where it's right for your organization without any compromise in reliability or feature capabilities.**



Key Features

- **Smooth Migration** – With the Millennium IPConnect, you have a cost-effective option for migrating to IP telephony using your existing equipment. The Millennium uses a fully integrated universal VoIP gateway card that can be used for network trunk access or IP station devices. The card resides on the shelf with the rest of the telephony interface cards. The result is a blending of the reliability of the system's traditional voice technology with the advanced applications and cost effectiveness of IP technology.
- **Cost-Effective Communications** – VoIP technology is growing throughout the world as communications decision makers begin to take advantage of the cost savings afforded by converged infrastructures. Millennium IPConnect transmits voice calls over existing data networks allowing organizations to avoid public access charges. These savings are most attractive between distributed enterprises, especially when calling overseas to international offices.
- **Virtual IP Networking** – Whether you need to connect several phones in an office, hundreds of phones in a campus environment or clusters of remote workers, the Millennium allows you to create a virtual enterprise, delivering all the features and benefits of a traditional PBX without the geographic boundaries of the past. Utilizing the Q.SIG protocol over VoIP data lines, Millennium and eQueue systems networked together can take advantage of enhanced networking and feature transparency between systems.
- **End-to-End Quality of Service** – The Millennium's IPConnect technology assures consistent speech quality by adhering to Quality of Service (QoS) protocols. QoS identifies voice packets as having a higher priority ensuring voice connections are not delayed or dropped due to interference from lower priority data traffic. This guarantees a continuous flow of packets regardless of congestion on the network. Additionally, even in the event of a network failure, the Millennium's Least Cost Routing features can be invoked to allow backup use of traditional T1 or analog trunks.

Easy Administration

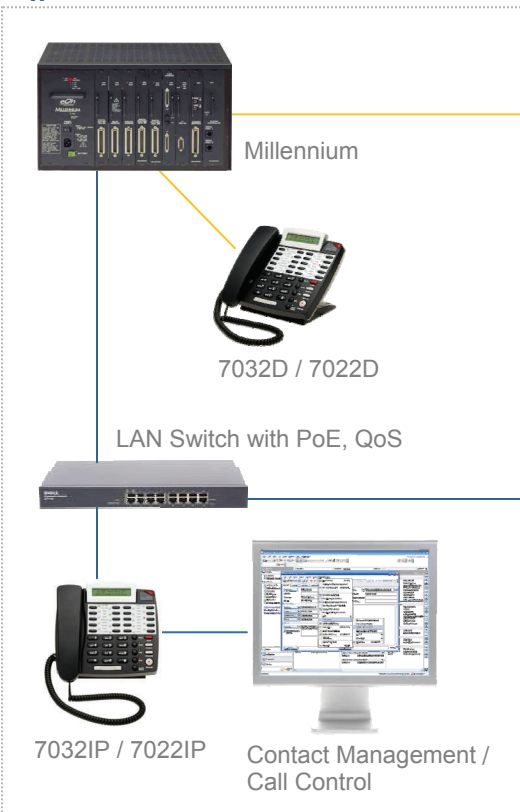
IT personnel can benefit from Millennium's IPConnect administrative advantages, such as lower-cost adds, moves, and changes, that are inherent with IP telephone administration. IP phones can be moved from one location to another location without assistance of qualified technicians. Additionally, remote VoIP diagnostics, software updates and system configuration via an intuitive web browser interface make installations simple and economical to maintain.



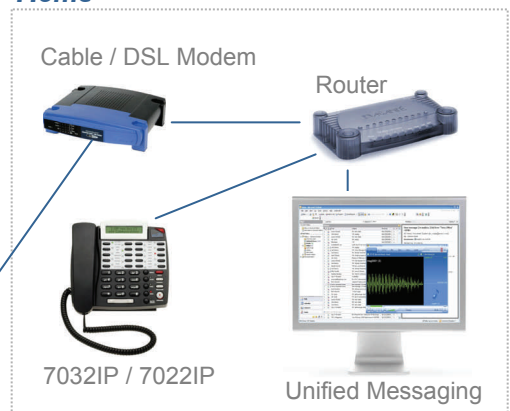
Remote Worker Solutions

Remote office personnel can now have access to voice and data networks equal to their office colleagues. Users of eOn's eNterprise IP Telephones enjoy the benefits and features available to digital telephones, regardless of their location. Enterprise-enabled remote workers have access to features like 4-digit extension dialing, conferencing, voice messaging and other productive call handling features. Teleworking helps to reduce overhead and traveling costs as well as increase staff/skill retention and employee satisfaction.

Office



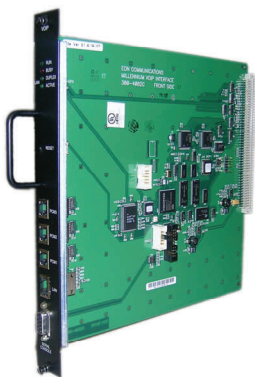
Home



Hotel / Airport / WiFi Hotspot



Technical Specifications



The **Millennium IPConnect Services Card (IPSC)** supports up to 32 Session Initiation Protocol (SIP) devices simultaneously, including desktop IP telephones, softphones and IP networking trunks. The IPSC provides 100% non-blocking voice communication between IP telephones, digital telephones, and analog telephones, as well as digital and analog trunks. Signaling between the IPSC and these devices is accomplished using industry-standard Ethernet LAN/WAN connections. Up to 32 IPSCs are supported in a single system for a total of 1,024 IP devices.

The IPSC supports the following:

- G.711 Mu-Law/A-Law, G.729 A/B, G.726, and G.723.1 Voice Compression Codecs
- G.168-2002 Echo Cancellation
- QoS Settings via Differentiated Services at Layer 3 (RFC 2475)
- Automatic Codec Negotiation
- Voice Activity Detection (VAD)
- Silence Suppression and Comfort Noise
- Standard TCP/IP Interface
- Static and Dynamic IP Address Assignments via DHCP
- Network Address Translation (NAT)
- Simple Traversal of UDP through NATs (STUN)
- Remote Software Upgrade Capability via FTP
- eOn eNterprise IP Telephones and Standard SIP Phones and Softphones

Millennium System Requirements:

- Software V3.11 or higher
- System Controller II
- Common Services I or II

Network Requirements:

- 10/100 Ethernet connection
- Ethernet Switch
- DHCP Server
- Gateway
- Optional FTP Server
- Optional SIP-compliant Firewall
- Optional Power over Ethernet (PoE) 802.3af Equipment