tadiran
simply done right.

Unified
Communications
& Collaboration
Solutions
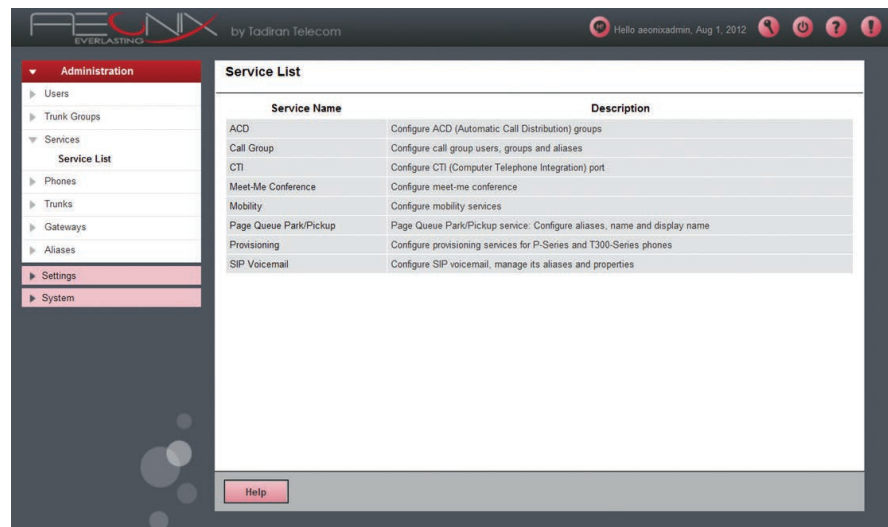
AEONIX
EVERLASTING

Designed for Distributed Environments

AEONIX

Easy to Install, Operate and Maintain

Aeonix is a pure software based Unified Communications & Collaboration solution (UC&C) that consolidates disparate business applications into a single powerful platform. It is delivered on a fault tolerant and open architecture, with intuitive management tools. Aeonix can be deployed in a private cloud environment or as an on-premise solution.

Aeonix was designed to meet current and future challenges of distributed organizations:

- **Scalability** - Aeonix has the ability to extend customer networks based on current demand and changing needs. The open-ended architecture allows customers flexibility to buy and install only what they currently need, and to add users, remote locations and additional applications as they become necessary. The standard system solution has the ability to provide service from 10 to 25,000 users.

- **Simplicity** - Aeonix includes unified management of all system services and applications. An intuitive GUI and a simple licensing mechanism make it easy to install, manage and maintain. Adding users, remote sites, or applications to one Aeonix server, is the same as adding them to every server in the network.

- **Open Architecture** - Aeonix supports standard protocols such as SIP, CSTA, and web services. This architecture allows customers to seamlessly integrate a variety of common applications and to add desired devices to the system (BYOD). Security protocols are implemented to ensure the system's integrity and prevent unauthorized operations.

- **Resiliency** - A system can consist of one or many servers while each Aeonix server provides complete 100% application functionality. In a "real-time clustered" (multi-server) environment, automated diagnostics and recovery mechanisms deliver the highest levels of fault tolerance and failover.

Aeonix delivers powerful, flexible, and adaptable communications to enterprises both large and small. Its simple unified management structure ensures that customers experience the lowest total cost of ownership (TCO) with minimal IT resources required.

AEONIX

Pay for Only What You Need

During the past decade, we have seen tremendous changes in communication technology. CIOs are no longer simply looking for telephony switches, but are requiring sophisticated pure IP UC&C solutions that bring down costs and provide added-value to both their customers and employees.

Specifically CIOs and CFOs are now looking for ways to:

- Simplify communication with colleagues, both internal and external, in order to combat escalating communication and travelling expenses.
- Enhance and modernize solutions (with a high degree of system control) to reduce the human resources required to manage their communication systems.
- Manage all of the company's systems and branch offices from one location in a unified manner.
- Handle a growing number of users that can no longer be supported by their legacy systems.
- Seamlessly add more functionality and applications not currently available on their existing communication systems without abandoning existing equipment.
- Reduce IT overhead and footprint by leveraging VMware and implementing the communications platform in a virtual environment.

Active-Active High Availability

Aeonix is a robust solution designed for distributed environments. A clustered Aeonix solution (active-active) eliminates any single point of failure. Real-time database replication is performed between sites, ensuring application fail-over and call continuity. The system is managed through an intuitive user interface that allows servers to be added seamlessly within the cluster. User and application licensing is managed per cluster, ensuring that customers buy only what they need. Full redundancy, coupled with automated diagnostics, disaster recovery, and load balancing mechanisms, allow Aeonix to deliver the highest levels of fault tolerance. In addition, a site can also continue to function as a "Survivable Node" in the event the WAN connection is lost.

Unified Communications

Aeonix Unified Communications and Collaboration (UC&C) solutions deliver business agility, reduce communication costs and complexities, and greatly enhance company efficiency. Employees can reduce travel and meeting time by taking advantage of a range of Aeonix solutions, such as audio conferencing, video conferencing, and built-in tools for data collaboration. At the same time, IT personnel can easily manage these communication applications in an efficient manner from one unified location. Aeonix also provides advanced collaboration capabilities and integration with Microsoft Lync. In addition, Aeonix's UC&C platform portfolio integrates with VoIP telephony, TDM PBXs, mobility, unified messaging and vertical business applications.

Open Architecture

From inception, Aeonix was designed to work seamlessly in various distributed environments, including virtual, private cloud, hosted and on-premises deployments. Instead of building on existing legacy infrastructure, Aeonix's brand new architecture is designed to meet today's and next generation pure IP UC&C platform requirements based on adherence to industry open standards, such as SIP, CSTA and web services. This smart architecture provides a flexible and open platform that can be easily integrated with 3rd-party solutions, supporting pure SIP (unmodified) functionality and allowing customers to choose their SIP endpoints. Aeonix's web-based application provides a centralized point of unified management for both administrators and end users, ensuring that everyone optimizes their communications experiences.

Endpoints and Gateways

Tadiran offers a wide range of terminals from entry-level phones, to executive phones, featuring large graphic displays with video conferencing capabilities. In addition to Tadiran's broad range of IP and digital phones, Softphones, Wireless remote phones and Attendant Consoles, Aeonix's adherence to SIP open standards allows companies to choose SIP compliant phones (BYOD) including smartphones.

Tadiran deploys an assortment of Gateways which can easily be configured and administered via the Aeonix web-based unified management application. Available in many models to match existing or new interfaces, they provide telephony connectivity and access points to integrate Aeonix with telephone digital circuits, analog trunks, and single-line analog stations. Many of Tadiran's Coral systems can be converted to a Gateway, which allows for maintaining existing Coral equipment, including terminals and various trunk interfaces.

Business Applications

Aeonix boasts a variety of applications that are ideal for various vertical markets, such as Power & Gas, Healthcare and Transportation.

- **Navigator UC Desktop Client** - by utilizing powerful IM and presence capabilities, coupled with a built-in softphone, users can communicate via phone, chat, off-line messages, and collaborate closely with co-workers located at the same or remote locations.

- **Managed Audio & Video Conferencing Facilities** - Meet-me conferences (up to 125 participants per server), HD quality, SIP based integrated video conferencing solution, comprehensive audio conferencing solution with web based collaboration, including Desktop Sharing, White Board, document sharing and more

- **Contact Center** - as an all-in-one contact center management solution, customers and employees get an out-of-the-box call routing system with sophisticated call blending, call proxy, and automated callback features. Multimedia queue management enables intuitive, prompt, and personalized attention.

- **ACD Reporting Tool** - provides call center supervisors with valuable real-time information for tracking the progress of each incoming call and data on each agent's performance. This allows supervisors to respond to dynamic changes in conditions and fluctuating traffic, address unexpected problems, and verify results based on statistical analysis of trends and patterns over a period of time.

- **Attendant Console** - as a complete unified web-based desktop communications productivity tool, the Aeonix Attendant Console provides attendants with a personal portal for intelligently routing company inbound and outbound calls on behalf of other Aeonix users.

- **Dispatch Console** - a touch screen application that can be operated from any desktop program, smart phone, or tablet, the Aeonix Dispatch Console is designed for dispatchers in control rooms, providing direct connectivity to users or groups of users in mission critical environments.

Specifications

High Availability
- Active-Active Redundancy architecture
- Database (numbers, COS, routing, applications) resides in all servers
- Full Hot Standby for call signalling and media
- Remote Survivable Node
- Load balance of end points between Servers
- Hot Standby for Wave Gateway calls

Media Services
- Audio Codecs : G.711A/µ, G.729A/B, G.722
- Video Codecs: H.263, H.264
- Music on Hold
- Announcements

Unified Communications
- Managed Audio conference
- Managed Video conference
- Auto Attendant
- Interactive Voice Response
- Data Collaboration
- Unified Messaging
  - Voicemail
  - Voice-to-Mail
  - Fax-to-Mail
  - Multilingual support
  - MWI - Message Waiting Indication

Endpoints:
- SIP Desk Phones: T300 Series, T40 Series, VP530, P-Series
- MGCP Desk Phones: T200M Series, FlexSet-IP 280S
- SeaBeam Windows Client
- Bria SIP softphone for desktop and mobile clients
- Digital Phones: FlexSet 280, 280D, 120S, 280S (via WG)
- G3 Fax and SLT (Single Line Telephone) via WG or SIP GW
- Military Field Magneto phones via Wave Gateway
- Enhanced IP Console Attendant
- Certified SIP Gateway
- Productivity tool- Aeonix Navigator
- DECT Phones
- Certified SIP Off-the-Shelf Third-party Terminals

Provisioning
- HTTPS for secured Web Admin
- Built-in auto provisioning for phones

Capacity
- 3,000 registered endpoints per server (Dell R620)
- 25,000 registered endpoints per cluster, maximum 20 servers

Environments
- Virtual server (VMWare)
- On Premise (off-the-shelf servers)
- Cloud

Mobility
- FlexiCall (Forking, reach-me-anywhere)
- Call Back / Call Through
- SIP clients - can be installed on dual mode Smartphones (GSM/WiFi)

Networking & Security
- Web admin using SSL, SRTP, TLS
- Sentinel Pro – Session Border Controller for NAT Traversal and FW penetration

Features
- ARS (Automatic Route Selection)
- ACD (Automatic Call Distribution)
- ULA (User Line Appearance)
- Call Forward
- Least Cost Routing
- DID (Direct Inward Dialing)
- Personal Routing Rules - based on ANI, schedule and status
- ANI (Caller ID) Restriction
- 911 Emergency calls
- Deflect (Divert) Call
- T38 Fax

Applications
- Contact Center
- Dispatch Console
- Audio and Screen recording
- Billing CDR
- SNMP

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About Tadiran
Tadiran Telecom (TTL) L.P., part of Afcon Industries, is an established global leader, innovator, and supplier of IP business telephony and telecommunications solutions. For nearly 50 years, Tadiran has been serving businesses of all sizes, including some of the world's largest companies and organizations in various market segments across 41 countries worldwide. With more than 100,000 satisfied end users and over 14 million installed ports worldwide, Tadiran strives to lead the industry in providing superior support and service to our global customer base. Tadiran features a comprehensive family of products including IP PBXs, Softswitches, Contact Centers, IP phones, as well as Mobility and Desktop applications. This highly versatile offering is designed to serve an ever growing list of leading companies in multiple vertical markets as varied as government, healthcare, education, hospitality, utilities, finance, transportation and more.

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