AcomEvo Advanced Communication System

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Zetron’s Advanced Communication (AcomEVO) system is an integrated, II based dispatch solution that combines state-of-the art technology with a functional design that is driven by customer feedback. It provides the advanced features and functionality organizations need to control complex operations efficiently, accurately and reliably. AcomEVO is also highly customizable and can be tailored to your specific business requirements.

Flexible

AcomEVO’s end-to-end digital architecture integrates voice (radio and telephone), data, paging and video transmitted ove a LAN or a Web browser to provide unmatched flexibility and ease of use. Operating on a local-area or wide-area backbone, a single AcomEVO switch can support large-capacity, region-wide or country-wide dispatch systems.

Highly interoperable with radio

AcomEVO's high degree of interoperability supports communications across a wide spectrum of radio bands and dissimil communications interfaces, including P25, OpenSky®, iDEN®, TETRA, EDACS®, SMARTNET®, SmartZone®, MPT 132 and LTR®. This ensures that agencies with diverse radio equipment can communicate.

Full-featured, easy-to-integrate telephony package

AcomEVO offers a feature-rich telephony communications package. This includes functionality that integrates with standard analog subscriber and exchange ports as well as ETSI ISDN and E1 QSig.

It also includes:

- [x] Automatic Call Distribution

- ☑ Call Event Applications
- ☑ Recorded Voice Announcement
- ☑ Interactive Voice Response

Redundant

AcomEVO can be configured for full redundancy with "hot-standby" equipment. This ensures the highest levels of system integrity and reliability that are so crucial in a mission-critical environment. It also makes AcomEVO the ideal solution for integrated communication-and-control operations and consolidated dispatch facilities, as well as backup, remote or mobil dispatch points. AcomEVO is also ideal for integrating with or replacing legacy communication systems.

Suitable for large or small operations

AT Communication ©

The size of an AcomEVO system can range from a few dispatchers operating in a fixed or mobile environment to 100+ operators that are centrally located or distributed across multiple communication sites. Communication facilities located ir different geographical areas can be networked to provide distributed switching and wide-area control. This improves efficiency and operational effectiveness and provides maximum security and reliability.

Configurable

AcomEVO's Windows®-based consoles offer intuitive, easy-to-use interfaces that can be configured to provide any mission-specific functionality your organization requires.

VoIP-capable

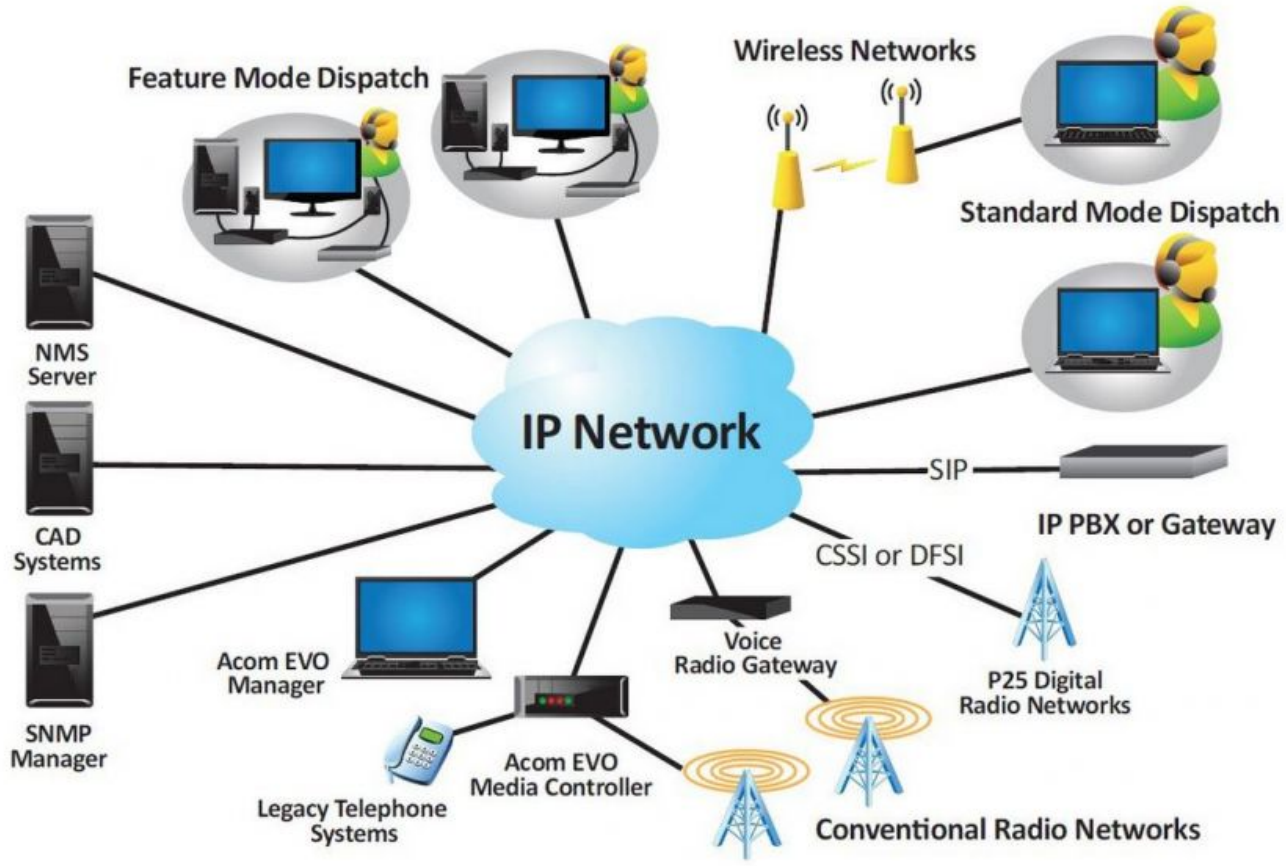
AcomEVO provides the ideal platform to implement communication technologies such as Voice-over-Internet-Protocol (VoIP) and "digital-at-the-desktop" functions.

AcomEVO System Capabilities

- ☑ PABX access
- ☑ PSTN access
- ☑ Autocall routing
- ☑ Automatic Call Distribution
- ☑ VoIP
- ☑ Embedded HTML/PDF browser
- ☑ Hotlines, intercom, and public address
- ☑ Trunked radio interfaces and protocols
- ☑ Network (LAN/WAN) interfaces and protocols
- ☑ Patching and conferencing
- ☑ Paging
- ☑ Selective calling (SELCAL)
- ☑ Open data architecture to support third-party developers

- ☑ Digital data telemetry
- ☑ Control of Closed-circuit television (CCTV)
- ☑ Web streaming video for CCTV
- ☑ Alarm monitoring
- ☑ Channel monitoring
- ☑ Voice logging
- ☑ Recorded voice announcement
- ☑ Interactive voice response
- ☑ Remote control and management

AcomEVO System Overview



SPECIFICATIONS

Physical		**Console Peripheral Interfaces**	
Media Controller:	19 Inch Rackmount	Speakers:	1 Select and (1-3) Monitor (can be expanded to 8 speakers)
Media Dock:	192 x 210 x 62 mm	Desktop Microphone:	Standard or Phantom powered Footswitch: Single or dual
Environmental		Headset/Handset:	2 independently wired/wireless
Operating Temp.:	0°C to +50°C	Jackbox:	4 or 6 Wire interface (4W +PTT)
Storage Temp.:	-10°C to +60°C	Auxiliary Audio:	1 Input, 1 output – 3.5mm jack
Humidity:	95% RH at 45°C, non-condensing	USB Control:	Control and Audio to/from PC
Power:	85 to 260 VAC, 47 to 63 Hz (Console Equipment) 48VDC (Media Controller)	Digital I/O:	4 Relay Ouputs 4 Opto-isolated Outputs 4 Opto-isolated Inputs

Regulatory Compliance to the following Certifications:	FCC Part 15 (USA), CE (Europe), C- tick, A-tick(Australia), CS-03 (Canada)	TRHI:	Telephone Radio Headset Interface for local telephone connectivity
EMC		**Network**	
Compliance Standards:	FCC Part 15 - Radiated & Conducted Emissions (USA), ICES-003 - Radiated & Conducted Emissions (Canada), EN 55022 - Radiated & Conducted Emissions (Europe & Australia, EN 55024 - Immunity (Europe)	Infrastructure:	100 Mbps minimum, full-duplex Ethernet. Switches and routers must be multicast aware. Mission-critical applications should use a dedicated network
Telecommunications Compliance Standards (where applicable):	AS/ACIF S002 (Australia), AS/ACIF S003 (Australia), AS/ACIF S016 (Australia)	Transport:	Must be fully routed (ie: no address translation)
		Packet Loss:	< 0.1% (< 1% for non-mission critical)
Safety Compliance Standards:	AS/NZS 60950 (Australia)	Packet Delay:	< 40 ms for LAN environments; < 500ms seconds for long haul (long delay) environments
Host PC Requirements for AcomEVO Dispatch Console		Packet Jitter:	< 20 ms (< 40 ms for-non mission critical)
Processor:	Intel® Pentium® IV or better	VLAN Support:	Recommended. Provided by Network Infrastructure equipment
Operating system:	Windows® 7 Professional		
Memory:	1GB of RAM or more	WAN Interface:	VPN interfacing required via Network Infrastructure equipment
Hard disk:	40GB or more		
Removable disk:	CD/DVD ROM drive	IP Addressing:	Media Controller – Static Console - Static
USB ports:	At least 6 USB ports should be available		
		Console Workstation	
Video card/monitor:	1024 x 768 pixel or better. 16-bit colour or more. 17” or larger LCD monitor recommended	Data Bandwidth:	80kbps per group of 10 consoles (160kbps in redundant configurations) + 40kbps per console
Pointer:	Mouse, trackball and/or touch-screen required	Voice Bandwidth:	80kbps (max.) per Console RX or TX interface
Keyboard:	Keyboard required for setup and for supervisor access privileges	Interfaces:	Up to two Select (TX and RX) Up to four Monitor (RX only)