



DIGITAL  
ACOUSTICS

# DIGITAL ACOUSTICS

IP Audio Products and Solutions

Innovation, Simply Heard



MASS NOTIFICATION & ALERTING SYSTEMS • VIDEO SURVEILLANCE & MONITORING  
PARKING, TRANSIT, EDUCATION & HEALTH • COMMERCIAL AUDIO, BUILDINGS & RETAIL

# Digital Acoustics Systems

## IP Intercoms, Amplifiers & Speakers

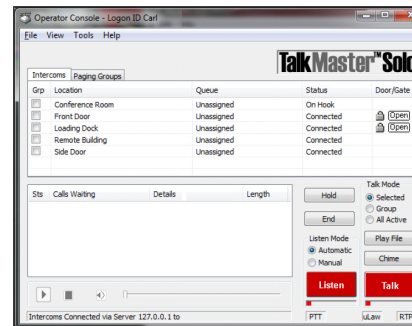
Since 2003, organizations around the world have trusted Digital Acoustics for their critical communication needs. Our IP Audio technology serves customers, ranging from small-scale retail operations and parking garages, to major educational institutions, industry leading security monitoring firms, and international drive-up restaurant chains.

The Digital Acoustics' product portfolio includes IP audio hardware that supports industry standard SIP 2.0 operation. As a unique advantage, all of our endpoints integrate with a suite of software solutions to support custom alarm, video and alerting ecosystems. Deployments can easily scale from one to thousands of IP Endpoints to create an efficient, cost-effective solution.

Whether you need to verify credentials at a security gate, broadcast campus wide instructions for an active shooter event, or notify a mother that her lost child has been found, you can count on Digital Acoustics to get the job done!



## TalkMaster FOCUS Software



TalkMaster™ FOCUS Software Suite is the industry leading IP audio software platform for managing all your IP audio endpoints. TalkMaster FOCUS provides capabilities for pre-recorded or ad hoc announcements, emergency notifications, security verification, remote monitoring and background audio with video tracking.

## IP7 Series Intercoms

Digital Acoustics' IP Intercoms provide two-way audio over local area (LAN) and wide area networks (WAN) with minimal bandwidth use. Choose from our all-in-one IP Intercoms with integrated speakers and microphones or retrofit existing analog call panels/stanchions by connecting them to our IP Intercom modules.

## IP7 Series Amplifiers

The IP7 series of amplifiers provide IP Audio over a standard Ethernet network connection. Use with our TalkMaster software or SIP based VoIP phone systems as a SIP Amplifier or VoIP Amplifier. The series' modular design offer superior scalability for small and large applications.

## IP7 Series Speakers

Digital Acoustics offers a variety of network-based IP Speakers including wall, bi-directional and ceiling tile speakers that are cost effective and simple to install. With Digital Acoustics' TalkMaster Software, you can easily manage your IP Paging requirements across your LAN/WAN network from a single PC or multiple PCs.

# High Definition IP Audio Intercoms, Amplifiers & Speakers

## IP7 Audio Intercoms

The 2 way audio endpoints that started the IP audio revolution

**IP7-Proven Standard**

## IP Speaker Amplifiers

Up to 40 watts of crystal clear Audio over Ethernet

**High Power, High Fidelity**

## Integrated Systems

Desktop & Speaker systems complement total solutions

**Speakers & Enclosures**

## Wall Integrations

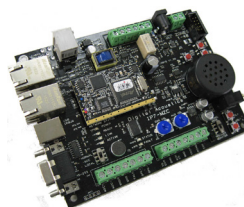
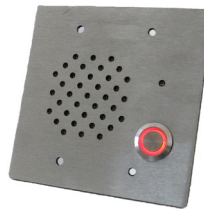
Industry's only 2 gang full duplex IP call panel

**Surface Panels**

## Multi-Zone Controllers

Expandable to 48 zones from a single IP connect

**OEM Board Systems**



## IP7 Series Features

Each IP7 is a compliment in a suite of hardware solutions specific to a particular application. All IP7 Series amplifiers share a common set of features...

- ICC Core Technology with sophisticated DSP audio processors, integrated 2-port Ethernet switches and self-reporting health monitoring
- Multiple Software Protocols support such as TalkMaster, SIP, and Singlewire, InformaCast and common VoIP addressing
- Multicast Support enables seamless, clear, low bandwidth audio distribution
- On-board Relay and Sensor for door/gate access control and management and fire system interconnects
- Patented Fail-Forward™ Redundancy that automatically redirects IP endpoints in the event of failure.
- PoE (802.3af) Compatible for devices with amplifiers with 8 Watts or less
- Reliable Proven Industrial temperature rated electronics, for fast-to-deploy, easy-to-maintain integrations.



# Digital Acoustics Advantage

## FLEXIBLE SOFTWARE SOLUTIONS



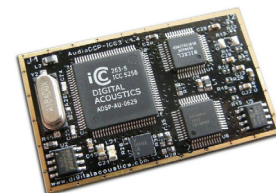
Digital Acoustics' highly evolved suite of software solutions have been deployed worldwide for over 18 years. Critical deployments such as warning systems at Bagram Airbase, to monitoring property across the USA in retail, have all relied on our software expertise.

To support the widest array of clients, Digital Acoustics supports our proprietary TalkMaster, the widely used Singlewire InformaCast® protocol and software integrations for Sureview's IMMIX®, IPcelerate's IPsession and Acrovista's BellCommander.

In addition, Digital Acoustics SIP 2.0 and VoIP compliance insures smooth integration with worldwide software systems such as EverBridge [EVBG], Siemens, Tyco and Stanley, focused on protecting people and property.

## SIMPLE, PROVEN HARDWARE

Unlike competitive products, Digital Acoustics owns its technology including an ecosystem of chipset firmware, hardware and software. This increases compatibility, reliability, ease of use and adaptability to meet customer demands.



## INVENTING IP AUDIO CONTINUING TO INNOVATE

Founded in 2003, Digital Acoustics sought to revolutionize audio communications by converging speech, data, and semiconductor technology.

By 2004 Digital Acoustics had created and developed an innovative series of TCP/IP intercoms targeted for security at the Hong Kong International Airport. This successful deployment led the industry as the first of its kind, completely digital IP hardware intercom solution.

Today our objective remains the same across an array of products that support internet-protocol communications solutions. Whether it's protecting people and property, enhancing commerce, or improving a customer experience, our products can be found at institutions around the world (and outer space on the International Space Station).

Digital Acoustics IP Intercom, IP Paging and IP Amplifier products are known in the market for providing the most effective, simplified solutions while delivering quality audio over Ethernet, wireless, and fiber networks.

## DESIGN & SUPPORT EXPERTISE

For 18 years Digital Acoustics has supported and solved 1000s of customer challenges and earned a reputation of value and service to our customers.

Our technical support team, based in Chicago and Utah, fields calls ranging from both small town integrators to advanced IT developers with clarity, experience and efficiency.

A supplemental OEM support tier focuses on meeting the 7-day needs of our premiere clients, ranging from Fortune 100 companies to the military.

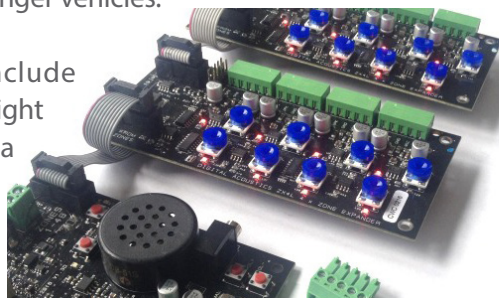


## INTEGRATED & CUSTOM OEM

Digital Acoustics has proven capabilities developing and producing custom OEM IP endpoints and software to meet highly unique customer specified needs.

Recent milestones include a digital IP solution to enable audio routing between a customer's old and new PABX systems, and a robust ambient noise detection system which provides automatic volume control for overhead paging on passenger vehicles.

Additional custom designs include Transit system amplifiers for LA Light Rail Trains, Drive-Up intercoms for a vast USA based restaurant chain and audio matrix systems to help secure 1000s of retail stores across the USA.

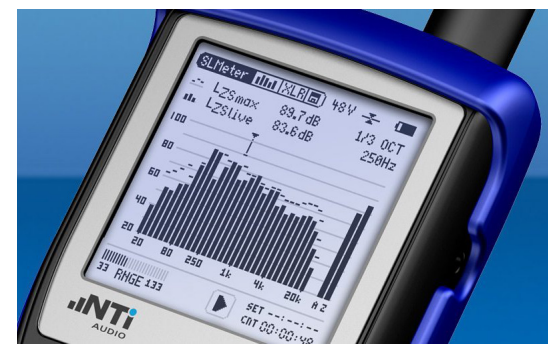


## CRYSTAL CLEAR AUDIO

Digital Acoustics offers the industry a benchmark standard for Audio over IP quality and intelligibility.

Our onboard hardware DSP includes innovative wide-band technology for expanded audio range and improved high-definition fidelity. Our proprietary algorithms for acoustic echo cancellation, and custom noise reduction, minimize ambient noise distractions to enhance true full duplex conversations.

For more than a dozen years, Digital Acoustics earned our namesake, we have defined...  
"Digital" "Acoustics"



## OUR REPUTATION

Digital Acoustics confidently filed its first patent applications covering its innovative IP Audio hardware in 2004. As a recognized brand, Digital Acoustics represents a solid robust suite of products that get the job done!

Notre Dame — "We deployed our first DA modules 9 years ago. Not only do we still use those, we continue to add and update our system to this day."

Port of Miami — "From project concept and design, through commissioning of the system to the Port Authority, DA's support and experience scaled with our real time needs."



# Digital Acoustics Markets

Digital Acoustics supports both OEM B2B and commercial B2C business groups. Our global solutions serve hospitality, retail, healthcare, public safety and security. All of them seek simple, robust affordable IP audio solutions to fit their needs.

Our well known commercial branded IP7 Series products enable customers to deploy digital IP communications quickly in both new or existing installations. Channel fulfillment is through direct purchase, both online or through national distribution.



Digital Acoustics OEM hardware and software teams create intelligent electronics to complement partner solutions. Expertise covers circuit design, software development, IoT connectivity and mobile app development. Sales are managed directly with our partners in volume contracts.

## MASS NOTIFICATION, ALERTING SYSTEMS

Education, government & military facilities choose Digital Acoustics for emergency alerts to stay safe. Using TalkMaster or DA's software partners, IP7 Speakers can instantly announce alerts to staff, students & visitors. When reliable automated messaging needs delivery from first responders & safety teams, providers choose Digital Acoustics as the trusted solution.



## VIDEO SURVEILLANCE AND MONITORING



Digital Acoustics is a world leader in audio support for video surveillance. Remote 'talk down' allows command centers to not only see, but communicate. Our MZC multi-zone intercoms are deployed in 1000s of stores & critical infrastructure points across the USA with industry leading partners such as ADT/Protection 1, Tyco, Interface, and G4S.



## OUR TEAM, OUR OPERATION

**Business**—Privately held, Digital Acoustics operates with a seasoned team of business & technical professionals. Top management include Chicago based corporate leaders, who serve on boards of major institutions.

**Hardware**—Digital Acoustics Co-Founder & VP is a veteran in audio design. Experience spans from production of global audio events to patented product 'firsts' in voice recognition, data communications and IP audio.

**Software**—The team's Director of Software Development combines skills identifying tech trends with solutions in both embedded and PC based design. Expertise spans 30 years in data comms & theoretical sciences.

**Product Innovation**—Product Management encompasses quality assurance, support and OEM-IT system design. Team leaders offer 35 years experience in integration of custom systems in a variety of IT industries.

Digital Acoustics products are designed and assembled in Chicago. Production capabilities can manage 1000s of product shipments weekly, and span 5 facilities, over 2 continents. The quality control process serves the military and demanding Fortune 100 clients alike.

Proven production paths start from customer specified needs and/or market demands. Once a product is qualified to launch, it's managed from concept through design, while simultaneously adding production, test and fulfillment components to speed time-to-market.



## PARKING, TRANSIT, EDUCATION, HEALTH

DA's scalable systems precisely suit centralized operation to lower operating costs. Partners such as Parkeon & Interpark have adopted Digital Acoustics citywide in New York, Chicago & Toronto. Schools benefit from our ability to scale from 1 to 1000s, and use common software such as Singlewire®. Assisted living centers deploy us for remote patient safety.



## BUILDINGS & RETAIL

IP7 endpoints are deployed across vast commercial markets worldwide. Examples include 600 intercoms within both 52 story twin Bahrain Harbour Towers, and landmark building in the USA. Through our partners, such as Oracle, we serve 10s of 1000s of drive-up restaurant kiosks and provide interactive communications in USDOJ courthouses and prisons.



## Our Customers

Digital Acoustics reaches thousands of customers through a network of distribution and partner tiers.

Through a network of direct sales, integration partners, web traffic, and a vast family of system integrators, customers learn, design and confidently purchase. Product is often shipped from stock with same day service, and fulfillment capabilities span the globe.

Our flexible hardware and software systems have been deployed by:

**ADT/Protection1 - Rite Aid - Interface Security**  
**Tyco Integrated Security - IBM - St. Jude's Hospital**  
**Sunoco - Oracle - US Air Force - Notre Dame**  
**University of Chicago - Boeing - NASA - Excelon**  
**The Smithsonian - Port of Miami - 7 Eleven**  
**Dollar General - New York Port Authority**  
**Johnson Controls - Interpark - U-Haul - Lockheed**  
**G4S Security - University of Chicago**  
**Sonic Restaurants - ParkingSoft - Lockheed**

## Customer Applications

Digital Acoustics has been successfully adapted for applications such as:

- Fast food drive up & point of sale integration — 'over 80,000 anticipated locations'
- Light-rail train cars & platform/depots in America's 2 largest metropolitan areas
- Central station remote monitoring supporting multiple zones on a single IP device
- Private label intercoms for Fortune 100 companies
- Custom radio relay stations
- Parking and Emergency stanchion integration



[DigitalAcoustics.com](http://DigitalAcoustics.com)

## Our Sales Channels

### Worldwide Distribution & Resellers



**Anixter** worldwide offers innovative supply chain solutions and in-country presence in more than 50 countries.  
[anixter.com](http://anixter.com)



**WESCO** delivers premier security solutions that can help detect threats, prevent theft, and keep people safe.  
[wesco.com](http://wesco.com)



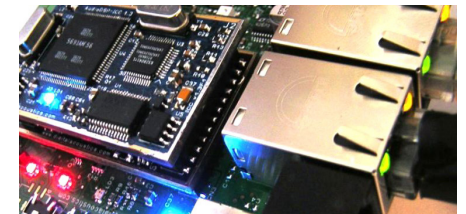
**Grid Connect Inc.** has been a leader in the embedded and networking marketplace for more than 20 years.  
[gridconnect.com](http://gridconnect.com)

### Value Added Resellers



**Kintronics** provides everything you need to create a complete surveillance and security system.  
[kintronics.com](http://kintronics.com)

Contact us directly for your most demanding needs, whether you're a manufacturer of IP audio equipment, a reseller, an OEM or an end-user, Digital Acoustics can be counted on to exceed your expectations.



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