A PARTNER AS WELL AS A PLATFORM
When you choose IDX you are choosing a company with extensive experience in large system planning and deployment who understands your communications system is a mission-critical component of your operation. Comprehensive system training is provided on all aspects of your system. IDX training engineers will work your operations, administrative, and IT staff on-site to ensure that they have a thorough understanding of their system. Additionally, regularly scheduled airport system training seminars are offered at our Salt Lake City training facility for refresher or new staff training.

Full Solution Provider
SYSTEM TRAINING, TESTING, SUPPORT, AND EXTENDED WARRANTY

MISSION CRITICAL TESTING
System quality assurance and specified performance validation are achieved through thorough factory and site acceptance testing. Testing of your system will include testing certification of components networks and other devices to ensure that all design goals are met.

WARRANTY AND MAINTENANCE PLANS ENSURE PEAK PERFORMANCE
Our support will continue after system testing and acceptance. We offer full extended warranty and maintenance plans that will ensure your IDX communication systems are operating at peak performance. Our Help Desk is staffed by support engineers 24 hours a day, seven days a week who can use built-in diagnostic tools to remotely assist your staff or troubleshoot and correct system problems. On-site support is always available through our network of trained IDX system dealers who can provide preventative maintenance, hardware upgrades, and system support.

For more information about the IDX family of system products, please contact your Harman Professional dealer or representative.
From Com-Net Software, the MUFIDS industry leaders, comes the first truly integrated airport communication system solution. Managed by the powerful ECLIPSX™ suite of software applications, IDX provides a completely integrated audio and visual airport communication system allowing effective passenger communications for both the airport and airlines.

**OUTSIDE THE AIRPORT**
Before a passenger enters the airport IDX systems are at work providing essential flight information for your facility through our interfaces for the airport website, mobile devices, and touchtone telephones.

**INSIDE THE AIRPORT**
**Comprehensive Communications Management Ensures a Positive Customer Experience**
Once in the terminal, IDX systems expertly provide the latest flight arrival and departure information using high resolution display technology to guide both passengers and greeters alike to baggage claim, screening, arrival, and departure areas. Public Address announcements provide travelers with critical audio information from the curbside throughout the airport to gate hold rooms by using system components designed for high intelligibility in noisy environments. Courtesy Announcement, Gate Boarding, Visual Paging, and Security Checkpoint systems are all examples of the IDX integrated audio announcement and display management systems working together to effectively provide synchronized ADA-compliant audible and visual announcements to the traveling public. Our industry leading touchscreen mic stations allow for various types of live and recorded multi-lingual announcements as well as serving as MUFIDS input stations to update gate and flight information.
IDX Systems use Cobra-Net™ Technology
Utilizing Standard Ethernet Networking

Complete Digital System

THE IDX DISPLAY AND ANNOUNCEMENT SYSTEMS OFFER IMPORTANT ADVANTAGES BECAUSE THEY ARE ALL-DIGITAL

ETHERNET
Leverage an airport's existing Ethernet network significantly reducing the overall cost of system implementation.

OPEN, MODULAR SOFTWARE
The ECLIPSX family of software products is fully modular and open allowing customers the flexibility to upgrade as their needs change as well as interface to a variety of 3rd party or legacy hardware and software systems.

.NET PLATFORM
Based on Microsoft's .NET programming platform and utilizing Windows Server 2008™ 64-bit application and SQL Server 2008™, ECLIPSX provides airport users an integrated Data Management System that improves operational efficiencies.

WEB COMPONENTS
ECLIPSX also takes advantage of web service components such as XML which allows for the highest level of operation between the multiple ECLIPSX applications.

INDUSTRY STANDARD SOFTWARE
The feature-rich ECLIPSX Client user interface is an industry standard used by several airlines as their system-wide FIDS application.

PROVEN
In addition to being flexible and easy to use, the ECLIPSX software is also proven, having been installed in over 350 system installations worldwide.

REDUNDANCY OPTIONS
All IDX critical system components including servers, DSP's, power amplifiers, and mic stations are available in a variety of redundancy options that increase safety and security for the public. Loudspeakers are available in UL-rated versions for increased safety requirements. System reliability is further increased by providing backup storage of all audible and visual announcements broadcast in the system. Additionally, system monitoring and diagnostics are provided between the mic station, loudspeaker, and display endpoints with all test results available for facility monitoring via a dashboard view from the ECLIPSX Central application.
Information Display Systems

Arrival & Departure

Gate Information

Baggage Claim

General Announcement

Security Checkpoint

Visual Paging

San Diego Airport is a smoke free environment. Please do not smoke except for in designated areas.

Please remove any electronic devices such as cellular phones or laptops from your luggage and

“We will begin boarding passengers seated in Group 1 for Flight #114 with service to London.”
At IDX, we know the needs of both airport management and travelers. Our mission is fully dedicated to establishing the most effective communication systems possible to provide the best information delivery that minimizes traveler stress and ensures the most positive airport experience.

IDX is a full communication system provider incorporating the highest quality audio and visual system components to achieve performance unmatched in the industry. Our solutions are modular and scalable to meet customer needs as their requirements change. IDX systems are designed to be open and flexible so as to easily integrate with the many common use technologies available today.

OUR MISSION

At IDX, we know the needs of both airport management and travelers. Our mission is fully dedicated to establishing the most effective communication systems possible to provide the best information delivery that minimizes traveler stress and ensures the most positive airport experience.
### Display, Announcement, and Data Management Systems

<table>
<thead>
<tr>
<th>System</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ECLIPSX SERVER</strong></td>
<td>Core Database Engine</td>
</tr>
<tr>
<td><strong>FLIGHT INFORMATION DISPLAY SYSTEM (FIDS)</strong></td>
<td>Displays up-to-date flight information to arriving and departing passengers</td>
</tr>
<tr>
<td><strong>SCREEN DESIGNER</strong></td>
<td>Visual design tool which allows the design, creation and editing for display templates</td>
</tr>
<tr>
<td><strong>AMBIENT NOISE ANALYSIS</strong></td>
<td>Automatically controls audio volume levels in real time based on ambient or background noise levels</td>
</tr>
<tr>
<td><strong>BACKUP POWER AMPLIFIER SYSTEM</strong></td>
<td>Amplifier system automatically inserts a spare amplifier for a failed unit</td>
</tr>
<tr>
<td><strong>DIGITAL MICROPHONE STATIONS</strong></td>
<td>Touchscreen and 4-button digital paging stations using Cobra-Net™ digital audio over Ethernet networks</td>
</tr>
<tr>
<td><strong>WAYFINDING DISPLAYS</strong></td>
<td>Provides passengers navigational information throughout facility</td>
</tr>
<tr>
<td><strong>SIGN CONTROLLER SYSTEM</strong></td>
<td>Driver application for LED signage for indoor and outdoor use</td>
</tr>
<tr>
<td><strong>VISUAL PAGING</strong></td>
<td>Synchronized ADA-compliant audible and visual FAA, TSA, and Public Service Announcements</td>
</tr>
<tr>
<td><strong>LOUDSPEAKER SYSTEM</strong></td>
<td>Loudspeakers of various types designed for the airport’s acoustical space including UL rated life safety units</td>
</tr>
<tr>
<td><strong>CONFORTY ANNOUNCEMENT SYSTEM</strong></td>
<td>Synchronized ADA-compliant audible and visual passenger announcements using Text-to-Speech multi-lingual engines</td>
</tr>
<tr>
<td><strong>GATE BOARDING SYSTEM</strong></td>
<td>Multi-lingual synchronized ADA-compliant audible and visual gate hold room flight announcements</td>
</tr>
<tr>
<td><strong>AOODB INTERFACE</strong></td>
<td>Flight records interface to Airport Operational Database</td>
</tr>
<tr>
<td><strong>INTERFACES</strong></td>
<td>Host interfaces to airport and hotel web sites, Interactive Voice Response (IVR) Text-to-Speech, Text-to-Speech radio broadcast, and other data interfaces</td>
</tr>
<tr>
<td><strong>REMOTE COMMAND COMMUNICATION</strong></td>
<td>Remote Command Center interface providing comprehensive command and control including complete system backup in the event of catastrophic system failures</td>
</tr>
<tr>
<td><strong>MOBILE/REMOTE COMMUNICATION</strong></td>
<td>Interface to mobile communication systems</td>
</tr>
<tr>
<td><strong>LIFE SAFETY SYSTEMS</strong></td>
<td>Systems mandated by AHJ with complete system redundancy, supervision, and diagnostics</td>
</tr>
<tr>
<td><strong>REPORTING SYSTEMS</strong></td>
<td>Comprehensive system diagnostics package that tests all components in the system and provides reports and alerts via various electronic media</td>
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</tbody>
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