INNOVATIVE IED®
electronic designs

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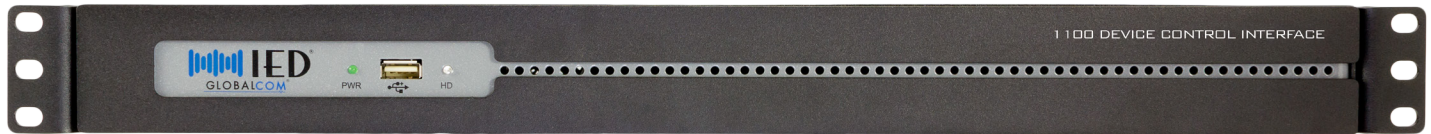phone (502) 267-7436
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1100DCI
GLOBALCOM® Device Control Interface

General Description

The 1100DCI Device Control Interface is an expansion unit used in a GLOBALCOM® system to provide a remote control interface method to networked output devices. The 1100DCI hosts an interface server that provides direct access to control program selection, background music (BGM) selection, and output levels in real time using mobile devices. An iOS®, Android®, Windows® Mobile, or any device with a compatible web browser that is allowed to connect to the system network can be used to control output devices such as the DNA and Titan series amplifiers, 1502AO audio output module, or T9116 zone output processor.

The 1100DCI provides two different options for interaction. A built-in web server hosts a web page that can be accessed from the web browser installed on a mobile device, or any computer on the same network. Also, the control commands available through the 1100DCI can be accessed directly through HTTP commands. This provides an interface channel for external control systems such as Crestron® or AMX®.

User access is restricted through the use of passwords. An administrative level of password is available to allow the configuration of various system-wide parameters. The Device Control Interface is configured through it's own web page and interacts with the system's controllers through a data service.

Features

- Control of Program Source, Background Music Selection, and Levels for IED Networked Output Devices
- Provides an Interface Between the GLOBALCOM® System and Mobile Devices or External Control Systems
- Interfaces Directly to GLOBALCOM® Announcement Controllers
- Configuration is Completed Using the Built-In Administration Web Pages

Software Requirements

Annual end point license required; Requires IED1108SND or IED1116SND CobraNet® Sound Card for Operation

Hardware Requirements

- 1150/1151/1152 Servers or Equivalent
- Additional Servers Required to Support Additional DCI Units

Mechanical/Electrical Features

- Low-Power Processor for High Reliability and Long Life with Minimal Cooling Requirements
- Storage is on Solid State Drive for Higher Performance and Reliability than Rotating Media Drives
- Powered from the Included IED1112PSD 12V DC Power Supply Module or the IED1112PS Rack Mount Redundant Power Supply Unit
- Fits into One (1) RU of 19" Rack Space

Specifications

Electrical

Supply Voltage	12 VDC
Rated Input Current	2 Amps Max (24 W)

Mechanical

Height	1.75", 1 Rack Unit (4.4 cm)
Width (w/o rack mount ears)	17" (43.2 cm)
Depth	12.25" (31.1 cm)
Recommended Mounting Depth	18" (45.7 cm)
Weight	10.85 lb (4.92 kg)

Environmental

Operating Temperature Range	+32 ˚F – +95 ˚F (0 ˚C – +35 ˚C)
Storage Temperature Range	-4 ˚F – +158 ˚F (-20 ˚C – +70 ˚C)

Connectors

Power	2-pin Phoenix, 3.81 mm Spacing with Locking Screws
USB	4 Rear / 1 Front
Ethernet	Control (10/100/1000 Mbps)
Video (2)	VGA / HDMI
Audio In/Out (2) (not used)	⅛" Stereo Jack

1100DCI Rear View

Compliance

Safety

UL60950-1 (Ed.2) Listed

CAN/CSA C22.2 No. 60950-1-07 (Ed.2) Certified

IEC 60950-1: 2005; AM 1:2009

EN 60950-1:2—6/A11:2009/A1:2010

CB Certificate

FCC / EMC

CFR, Title 47, Chapter I, Part 15 Subpart B

ICES-003, Issue 4, 2004

AS/NZS CISPR 22: 2005

CISPR 22 (Ed.5): 2005 +A1 (EN 55022: 2006 +A1)

CISPR 24 (Ed.1): 1997 +A1, A2 (EN 55024:1998 +A1, +A2)

IEC 61000-3-2 (Ed.3): 2005, +A1,A2 (EN 61000-3-2:2006)

IEC 61000-3-3 (Ed.2): 2008 (EN 61000-3-3:1995 +A1, +A2)

CORE

1200ACS - Announcement Control System

Local Keyboard and Monitor

External Devices (Fire Alarm, Security, etc..)

Telephone System (VoIP Lines)

1100TEL - VoIP Telephone Server *

1200MSG - Message Server *

* For expansion beyond included capacity

Core Switch

EDGE

T9160 Amplifier Frame

Zone Loudspeakers

Edge Switch

Ambient Noise Sensors

T9032 Ambient Sensor Collector

Visual Paging Displays

1502AO Output Module

Analog audio output to other systems

T9160 Amplifier Frame

Zone Loudspeakers

Edge Switch

Ambient Noise Sensors

T9032 Ambient Sensor Collector

Visual Paging Displays

EDGE

Digital Microphone Stations

Edge Switch

Client Computers

T9032 Logic/Voltage Input Collector

External Devices (Fire Alarm, Security, etc..)

1100DCI - Device Control Interface

Wireless Network

1502AI Input Module

Mobile Devices

BGM or Program Source

System Server (Optional)

Interface to Other IED Systems