IP200 Series

GLOBALCOM® Announcement Control System

IP200 Model is Shown

Features

- Pre-installed GLOBALCOM®-capable software
- GLOBALCOM® Device Discovery, and Management
- Dante™ or CobraNet® Controller Support
- Scheduled or Triggered Event Management
- EQ and Ambient Noise Analysis Configuration
- Paging Control and Monitoring
- IPX Endpoint Management over LAN or WAN Dante™ or CobraNet®

Applications

- Airports
- Industrial
- Mass Transit
- Corporate
- Educational

General Description

The IP200 Series Announcement Control System (aka ACS) is the heart of AtlasIED's GLOBALCOM® enterprise-wide communications management system. It manages the flow of announcements and messages between network endpoints such as digital communication stations, zone controllers, network power amplifiers, IP-based loudspeakers and other types of IP endpoints. Additionally, it serves as a gateway for external I/O devices, VoIP telephone systems, and analog audio to be incorporated into the ecosystem.

Each model is 'plug and play' ready with GCK application software installed and ready to be easily configured via an intuitive Microsoft Windows application.

All IP200 Series Controllers support VoIP communications with models available supporting Audio over Ethernet (AoE) functionality using Audinate® Dante™ or CobraNet® digital audio transport. The IP216-D works with GLOBALCOM® Dante™ endpoints, while the IP216-C works with GLOBALCOM® CobraNet® endpoints. Our VoIP is Wide Area Network (WAN) enabled allowing communication to be routed across an entire enterprise or to another LAN location.

Mechanical/Electrical Features

- Intel® Xeon Quad Core™ processor for high reliability and long life with minimal cooling requirements.
- Storage is SSD (Solid State Drive) for higher performance and reliability than rotating media drives.
- Powered from Dual 350 W Hot Plug Power Supplies.
- Fits into one (1) RU of 19" rack space.
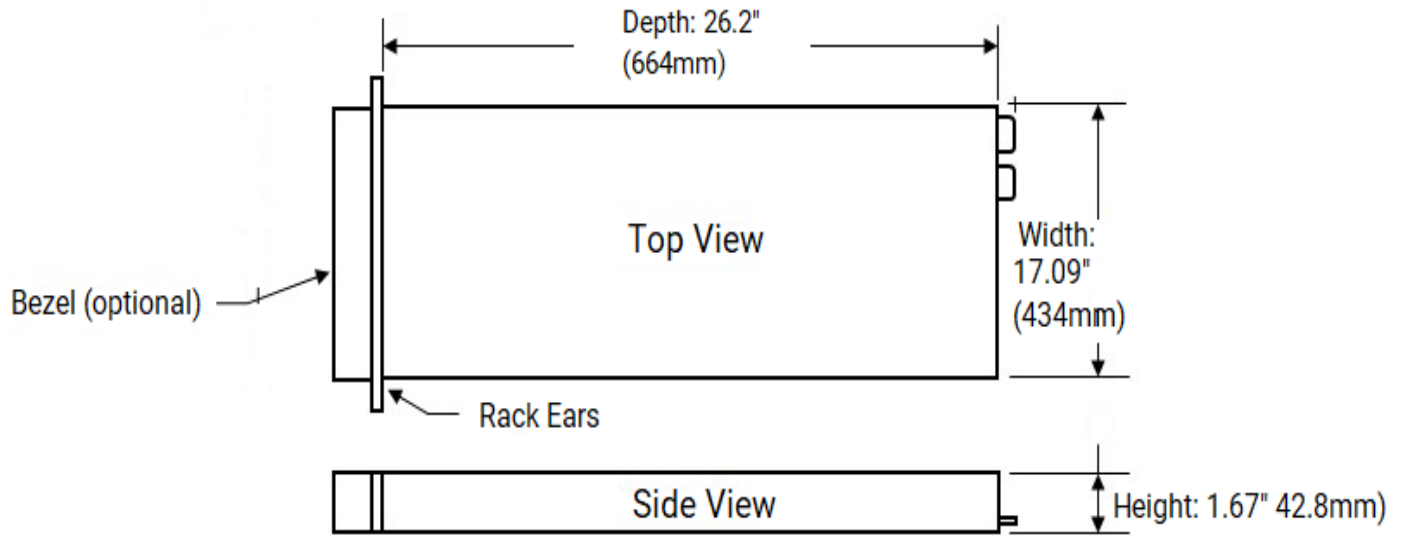
3 Models Available

- IP200 offers VoIP and IEDNet+
- IP216-C offers 16CH x 16CH CobraNet®, VoIP, and IEDNet+
- IP216-D offers 16CH x 16CH Dante™, VoIP, and IEDNet+

For more information, see the GCK GLOBALCOM® control system software data sheet located at www.atlasied.com/vcf/5627/ATS005627D-GCK-Data-Sheet.pdf

	IP200	IP216-C	IP216-D
General Specifications			
Server Model	Dell PowerEdge R340	Dell PowerEdge R340	Dell PowerEdge R340
Processor	Intel® Xeon Quad Core™	Intel® Xeon Quad Core™	Intel® Xeon Quad Core™
Storage	SSD (RAID 1)	SSD (RAID 1)	SSD (RAID 1)
Operating System	Windows IoT LTSC	Windows IoT LTSC	Windows IoT LTSC
Rear Panel Connectors			
Ethernet Port	1000BaseT Ethernet	1000BaseT + 100BaseT (CobraNet®) Ethernet	1000BaseT + 1000BaseT (Dante™) Ethernet
Video Output	VGA	VGA	VGA
Ethernet	RJ-45	RJ-45	RJ-45
Supported Network Speed	100Mbps / 1000Mbps	100Mbps / 1000Mbps	100Mbps / 1000Mbps
Supported Network Audio Protocols			
CobraNet® Channel Capability	N/A	16x16 CobraNet®	N/A
Dante™ Channel Capability	N/A	N/A	16x16 Dante™
VoIP Codecs - Channel Capability	VoIP - G.711, G.722	VoIP - G.711, G.722	VoIP - G.711, G.722
Layer 3 Audio Channel Capability	RTP	RTP	RTP
Dimensions and Weight			
Rack Space	1 RU, 19"	1 RU, 19"	1 RU, 19"
Rack Rails	ReadyRails Static Rails for 2/4-post Racks	ReadyRails Static Rails for 2/4-post Racks	ReadyRails Static Rails for 2/4-post Racks
Dimensions (HxWxD)	1.67" x 17.09" x 21.5" (without bezel) (42.8mm x 434mm x 664mm)	1.67" x 17.09" x 21.5" (without bezel) (42.8mm x 434mm x 545mm)	1.67" x 17.09" x 21.5" (without bezel) (42.8mm x 434mm x 545mm)
Weight	26 lbs / 12 kg	26 lbs / 12 kg	26 lbs / 12 kg
Power Requirements			
Operating Voltage	100-240VAC auto-ranging	100-240VAC auto-ranging	100-240VAC auto-ranging
Power Supply	Dual 350 W Hot Plug Power Supplies	Dual 350 W Hot Plug Power Supplies	Dual 350 W Hot Plug Power Supplies
Power Consumption			
Power Consumption	100 W (Avg.)	100 W (Avg.)	100 W (Avg.)
Cooling and Heat Loss			
Thermal Dissipation	1340 BTU / Hr	1340 BTU / Hr	1340 BTU / Hr
Cooling System	Micro Fan	Micro Fan	Micro Fan
Ventilation Direction	Side to Back	Side to Back	Side to Back
Included When Shipped			
Packaging Contents	IP200 Controller, 2 Power Cables, Front Bezels	IP216-C Controller, 2 Power Cables, Front Bezels	IP216-D Controller, 2 Power Cables, Front Bezels

Dimensional Drawings

Depth: 26.2" (664mm)

Top View

Bezel (optional)

Width: 17.09" (434mm)

Rack Ears

Side View

Height: 1.67" 42.8mm)

Architect and Engineer Specifications

The Announcement Control System (ACS) shall be AtlasIED GLOBALCOM® Model IP200 Series.

The ACS shall manage announcements and messages using dynamically routed data on a standard Ethernet Network. The ACS shall manage AtlasIED GLOBALCOM® Series peripherals including Digital Communications Stations, Network Power Amplifier Systems, Input/Output Devices, Zone Controllers, and IP Endpoints.

The ACS shall manage dynamic requests for live and delayed announcements, pre-recorded and assembled messages, actions, defined events, and two-way full duplex intercom connections. An integrated visual paging server shall deliver visual messaging to supported visual displays that shall be synchronized to the audio regardless of message length. Announcements and messages shall be initiated by contact closures, microphone paging stations, GLOBALCOM®-capable software, open standard IP network commands, or VoIP.

The ACS shall include an integral interface for VoIP telephones via SIP and PBX trunking as well as standard 3rd party FXO gateways. The interface shall support standards G.711 and G.722. Operating modes shall provide for both direct dial zone paging access as well as voice prompted actions for announcements and messages.

The ACS shall support CobraNet® and Dante™ AoE protocols with VoIP, and RTP. The ACS shall supervise all associated endpoint devices, report system events, and log faults to be reported via SMNP, email, and SMS via email notifications.

The ACS shall be designed for high reliability with no moving parts, including an Intel® Xeon Quad Core™ processor, solid state hard drive, and available hot swap redundant power supply. The ACS shall fit into 1 RU of 19" rack space and weigh 26 lbs (12 kg).

The ACS shall include GLOBALCOM® system configuration and management software GCK for configuration and monitoring of the System Management Console.