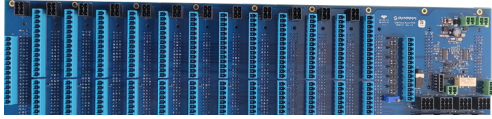


SZM In2iT SERIES

System Zone Manager



Front View



Back View



In2iT RANGE

The In2iT Range is Guardian Telecom's next generation In-Plant Communications platform with the latest technology and easy to use, rugged communication equipment to solve In-Plant Paging concerns while maximizing integration options and easing implementation costs.

SZM In2iT SERIES

Guardian Telecom's Hybrid PAGA/Page Talk System Control Frame (SCF) includes the System Zone Manager (SZM) to provide the key service of routing the page and talk conference lines within the facility zones.

The SZM is the audio hub of the system. The SZM features a modular design, and each chassis comes with dual redundant power supplies and supports up to 12 zone module cards. The zone modules have an independent micro-controller embedded and provide continuous self-health monitoring and communication to the SCF Servers. Each Module card will manage 5 Conference talk lines and the page line. If more than 12 zones are required, the total number of zones can be expanded by adding additional SZM Chassis.

FEATURES and BENEFITS

- Real time continuous self-monitoring of internal systems health
- Management of audio routing between zones (traditionally merge/isolate)
- Modular design for ease of expandability
- Modules are hot swappable
- Dual A+B redundant power supplies – standard
- Each zone module card supports 5 talk lines and the page line
- Visual diagnostic indicators
- Each chassis supports up to 12 zones
- Designed to fail "SAFE" – will auto merge all on power loss so page/alarm is possible
- Integrated line balancing to eliminate noise as system configuration changes
- Wide range power input: 90VAC – 250VAC
- Standard rack mount configuration – 3U
- Easy carry handles included
- Page management includes the following features: Page => Alarm Override and Alarm => Page Override

CONFIGURATION & CONTROLS

- Managed via the SCF server and user configurable operations
- Controlled via Operator Access Panel (OAP) graphical user interface
- User configurable parameters for page and talk routing

APPLICATIONS

The In2iT system is designed to provide in plant communications, paging and alarm monitoring in harsh environments that are subject to moisture, dust and corrosive chemicals such as:

Mines
Chemical Plants
Refineries
Drilling Rigs
Defense Installations
Cement Plants
Bulk Loading Stations
Pulp & Paper Mills

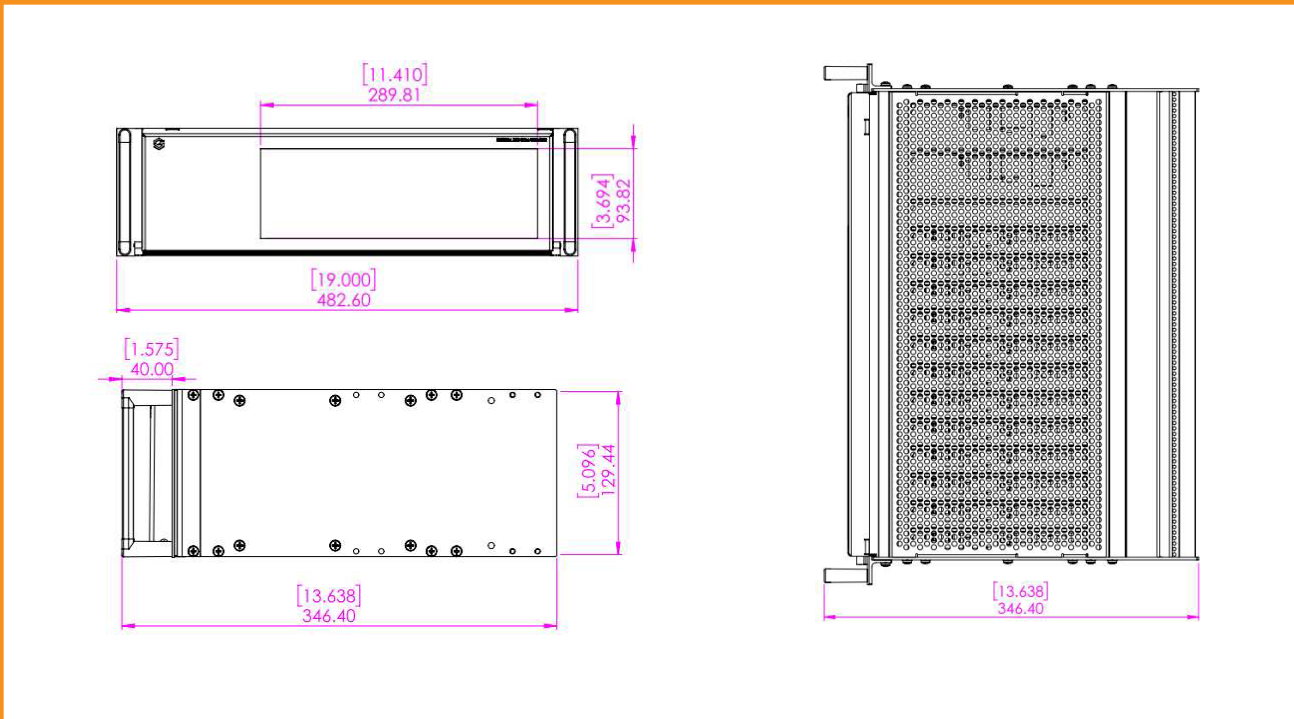
Grain Processing and Similar Industries
Power Generation Facilities
Fertilizer Plants
Food Processing Plants
Sewage Plants
Construction Sites
Breweries & Distilleries
Pharmaceutical Plants
and more . . .



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OVERALL DIMENSIONS



SZM In2iT SERIES System Control Frame

ENGINEERING SPECIFICATIONS

ELECTRICAL REQUIREMENTS

Input Voltage:	90VAC – 250VAC; 50/60 Hz
AC Fuse:	5 A
DC Power Modules:	Qty 2
Internal Supply Voltage:	24VDC
Individual Module Current:	<200 mA
Total Current (12Zone Fully Loaded)	2.4 A

AUDIO SPECIFICATIONS

General Frequency Response per Channel:	300 – 4000 Hz
Audio Intercom Talk Channels:	5
Page Line Nominal Impedance:	33-133 ohm adjustable
Talk Line Nominal Impedance:	33Ω
Total Harmonic Distortion:	<1.0% Max @ 1KHz

MECHANICAL SPECIFICATIONS

Cabinet Dimensions: (L x W x D)	19" [480mm] x 5.1" [130mm] x 14" [350mm]
Rack Space Usage:	3U
Weight (chassis empty)	6.5 lbs [2.9 kg]
Weight (standard configuration (2 x ps, single zone))	8.0 lbs [3.6 kg]
Weight (fully loaded (12 zone system))	13.0 lbs [5.9 kg]

ENVIRONMENTAL

Chassis	Indoor Use Only
Operating Temperature	+32F to +122F [+0C to +50C]
Storage Temperature	-40F to +176F [-40C to +80C]

SYSTEM CONFIGURATION

Standard Configuration:
Standard SZM Includes Chassis, Redundant Power Modules, 6 Zone Modules.

Expansion Slots:
Chassis supports up to 6 additional Zone modules for 12 Zones per chassis.

ORDERING INFORMATION

Warranty: Five year parts and labor

Order No.	Description
P6716	SZM Chassis
P6717	Zone Module
P6721	Power Module
Distributed by:	



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