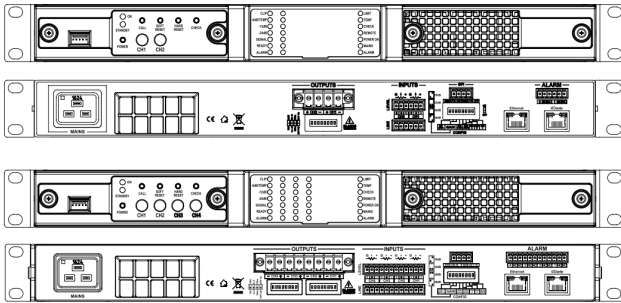




CPA In2iT SERIES

Central Paging Amplifier



FEATURES and BENEFITS

- Real time continuous self-monitoring of internal systems and external speakers
- 2 or 4 channels up to 6400W
- Drive low impedance, 70V or 100V loudspeakers on any channel
- 1024 tap FIR linear phase DSP processing
- Factory-optimized multi-stage loudspeaker protection limiters
- Power sharing technology allows asymmetric output loading
- IEC 60849 compliant monitoring and reporting
- Supports dante inputs
- Ethernet port for remote access and configuration
- Rack mountable (1U) can be stacked 4 high without gap



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.

CPA In2iT SERIES

Guardian Telecom's Central Paging Amplifiers provide superior quality audio and flexibility and are ideal for mass notification PAGA and Hybrid Page/Talk Systems.

Guardian Paging Amplifiers are offered in channel / power configurations of 4 x 400W, 4 x 1600W and 2 x 3200W and can drive speakers down to 2ohms. At only 1U high for all models, our amplifiers reduce rack space and improve operation efficiency.

Guardian's line of amplifiers offers factory optimized DSP processing, protective limiting and amplification. Fully configurable to support Low Z, 70V or 100V applications with mixed configuration to maximize the system flexibility.

Our amplifiers integrate with our Standard System Control frame and provide line Z monitoring and alarms as well as notification to operators of any problem through our Operator Access Panel.

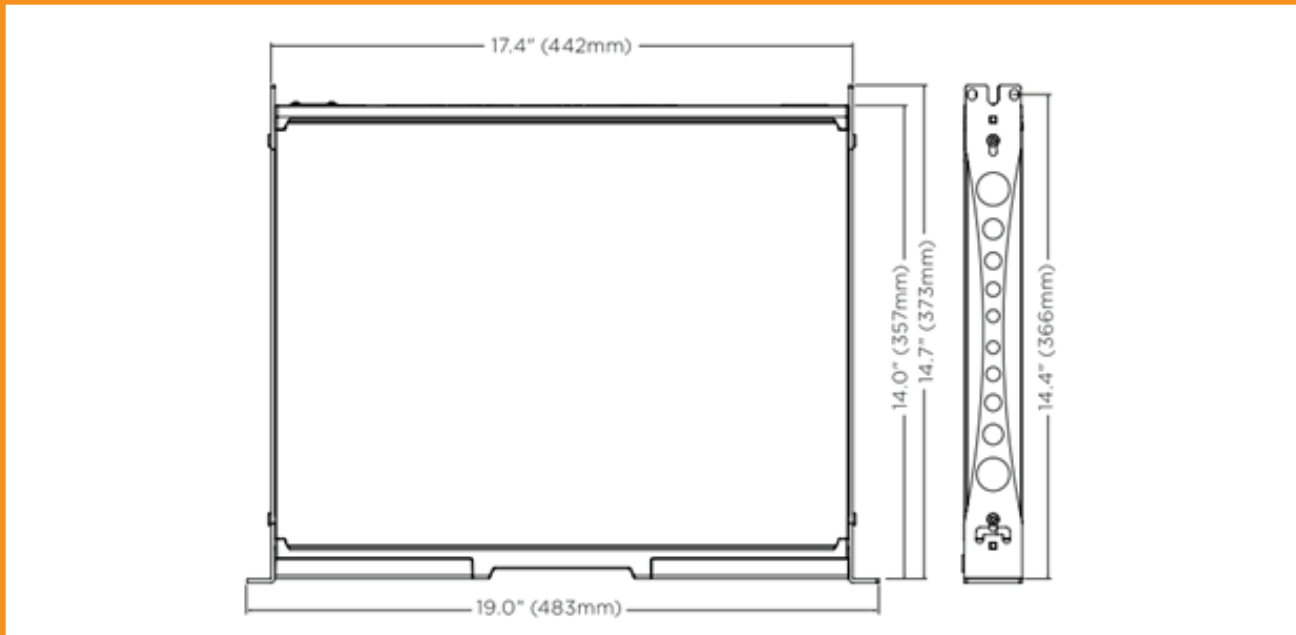
APPLICATIONS

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 | Grain Processing and Similar Industries |
| Chemical Plants | Power Generation Facilities |
| Refineries | Fertilizer Plants |
| Drilling Rigs | Food Processing Plants |
| Defense Installations | Sewage Plants |
| Cement Plants | Construction Sites |
| Bulk Loading Stations | Breweries & Distilleries |
| Pulp & Paper Mills | Pharmaceutical Plants |
| | and more . . . |



OVERALL DIMENSIONS



CPA - In2iT SERIES Central Paging Amplifier

ENGINEERING SPECIFICATIONS

ELECTRICAL REQUIREMENTS

Input Voltage:	100VAC – 250VAC; 50/60Hz
Current Draw: (Max – Model dependant)	0.47A @ 115VAC 0.30A @ 250VAC 32.5W@115VAC 32.8W@250VAC
Power (Max – Model dependant)	
Minimum Operating Voltage:	60VAC (with reduced power below 90V)

PERFORMANCE SPECIFICATIONS

Audio

Input Sensitivity at 80hms:	GAIN 26 – 35 dB
Signal to Noise Ratio (20Hz to 20KHz @ 80hms)	110 dB (A)
Max Input Level	20dBu
Frequency Response:	20Hz to 20KHz +/- 0.5dB, 1W @ 80hms
Crosstalk (1KHz):	-70 dB
Input Impedance:	20K Balanced
THD+N (from 0.1W to Full Power):	<.1% (Typical < 0.05%)
IMD (from 0.1W to Full Power):	< 0.05%
Slew Rate:	>50V/us @ 80hm, input filter bypassed
Damping Factor:	>500 @ 80hm, 20Hz – 100Hz

Output Stage

	GTA-404D	GTA-1604D	GTA-3202D
Max output power per channel @ 80hms	400W	1250W	1250W
Max output power @ 80hms Bridged	800W	2800W	4800W
Max output power per channel @ HI-Z 100V	400W	1600W	3200W
Max output power per channel @ HI-Z 70V	400W	1600W	3200W
Max Shared Pout (all Channels)	1200W	4800W	6400W
Max Output Voltage (Unclipped)	80Vp	142Vp	142Vp
Max Output Current	33Ap	45Ap	80Ap

MECHANICAL SPECIFICATIONS

Dimensions (H x W x D)	1.75" [44mm] x 19.0" [483mm] x 14.7" [373mm]
Weight	26lbs [11.8kg]

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	+32F to +113F [-0C to +30C]
Storage Temperature	-40F to +176F [-40C to +80C]

COMPLIANCE

Are in conformity with the provisions of the following EC Directives, including all amendments, and with national legislation implementing these directives:

- 2014/35/EU Low Voltage Directive
- 2014/30/EU Electromagnetic Compatibility Directive 2011/65/EU RoHS Directive

The following harmonized standards apply: EN 60065:2014 /AC:2016

- EN 55032:2012
- EN 55035:2017
- EN 55103-2:2009 /IS:2012 EN 61000-3-3:2013
- EN 61000-3-2:2014

Complies with:

- CAN/CSA 60065:16
- UL Standard No. 60065-2015

ORDERING INFORMATION

Warranty: Five year parts and labor

Order No.	Description
P8201	4 Channel, 400W Amplifier
P8202	4 Channel, 1600W Amplifier
P8203	2 Channel, 3200W Amplifier

Distributed by:



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