

► Model P-Axxxx-G

# PAGASYS® Gen2 Amplifier Chassis

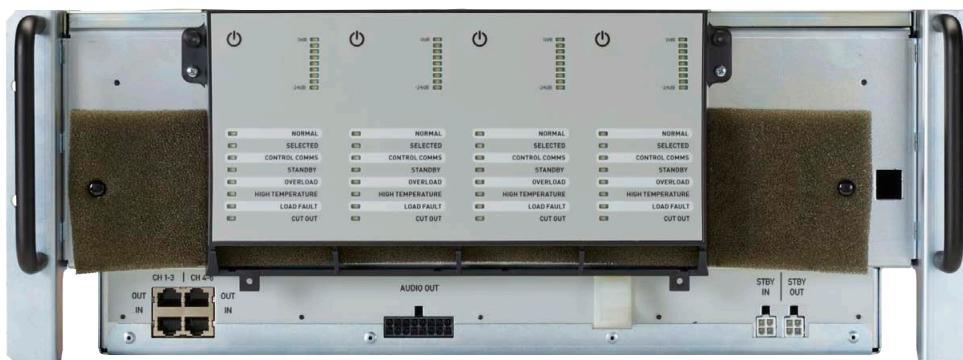


The PAGASYS Gen2 amplifier chassis (Model P-Axxxx-G) is an industrial grade, high-efficiency Class D amplifier that is designed for Public Address and General Alarm applications. The amplifier chassis are defined with at least one, but up to four 300W amplifier cards, and can include an optional Intelligent Speaker Monitoring and Tapping (ISMT) card to support ISMT capable speakers. In addition to the amplifier cards and optional ISMT card, every amplifier chassis contains one amplifier signal backplane card, that provides control interfaces to the amplifier chassis, and an amplifier power backplane, that provides power interfaces to the amplifier chassis.

See table 1 below for more information on amplifier chassis models.

| MODEL     | DESCRIPTION                                       |
|-----------|---------------------------------------------------|
| P-A250-G  | Amplifier chassis with one 300W amplifier card    |
| P-A500-G  | Amplifier chassis with two 300W amplifier cards   |
| P-A750-G  | Amplifier chassis with three 300W amplifier cards |
| P-A1000-G | Amplifier chassis with four 300W amplifier cards  |

The amplifier chassis includes a front panel that provides power buttons and status LEDs for each amplifier card in the chassis. The power buttons are not functional unless enabled from the PAGASYS Gen2 System Manager. See the PAGASYS Gen2 System Manager User Manual for more information on enabling the amplifier power buttons. The status LEDs include a dB meter for each amplifier card, and color coded status LEDs for different aspects of the specific amplifier.



Amplifier\_FrontChassis

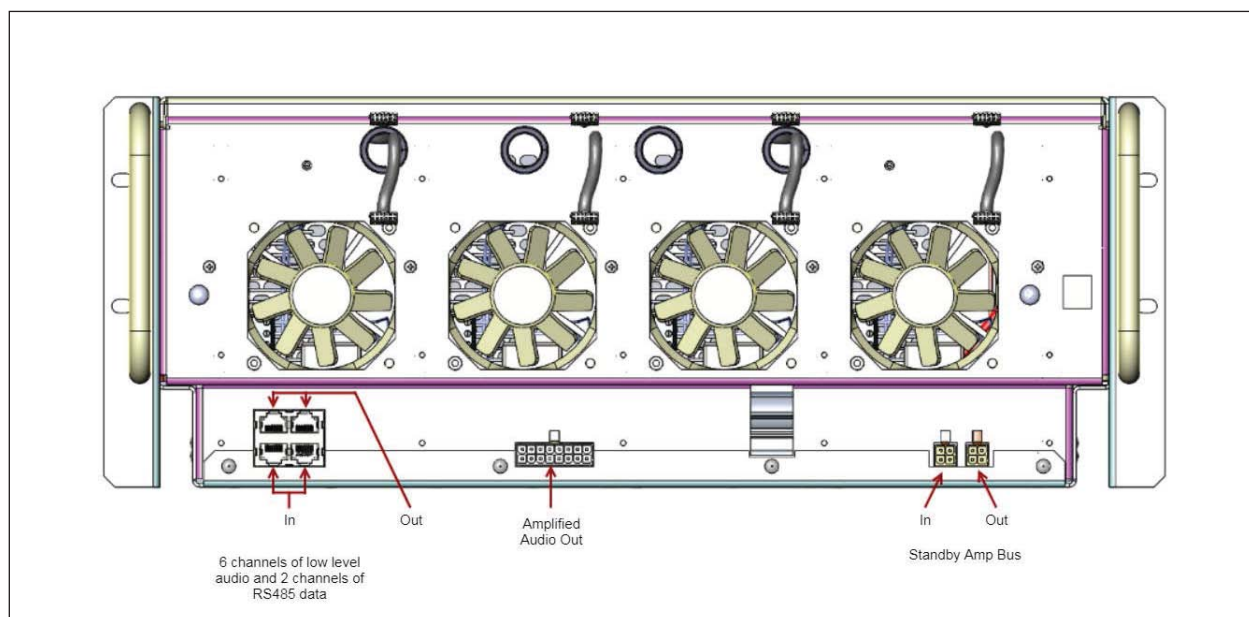


Amplifier\_Overhead



Amplifier\_Rear

## PAGASYS® Gen2 Amplifier Chassis (P-Axxxx-G)



The amplifier chassis has four RJ45 ports that provide low-level audio I/O and 2-way digital communications with the control system. The amplifier chassis provides amplified audio through an amplified audio output port. Standby amplifier support between different amplifier chassis is provided through the standby amp bus interfaces.

## FEATURES

- Operating temperature -10C to +55C
- Class D amplifiers with up to 90% efficiency
- Up to 1000W per chassis
- Rated for >1 hour 300W continuous duty at 55C
- Amplifier output level 70V/100V RMS
- ISMT support, amplifier standby support
- Speaker circuit impedance monitoring and loop monitoring
- Frequency response 200-20,000 at full power
- Total Harmonic Distortion <0.2% at 1KHz using full rated output power
- Programmable amplifier gain to provide volume control of each amplifier
- Nominal amplifier sensitivity = 0dBu = .775vrms
- 19" 4U amplifier chassis, 4 channels per chassis

## SPECIFICATIONS

|                         |                               |
|-------------------------|-------------------------------|
| Operating Temperature:  | -10°C to +55°C                |
| Storage Temperature:    | -55°C to +75°C                |
| Dimensions (DxWxH):     | 478mm x 483mm x 177mm         |
| Weight:                 | 13.9 kg (Not including cards) |
| Input Voltage (AC):     | 90–264VAC, 50/60 Hz           |
| Typical power at 230VAC | 301W (per amplifier card)     |
| Typical power at 120VAC | 304W (per amplifier card)     |
| Input Voltage (DC):     | 40–56VDC                      |
| Typical power at 48VDC  | 279 W (per amplifier card)    |

## HOW TO ORDER

| Description                                                    | Part Number         |
|----------------------------------------------------------------|---------------------|
| PAGASYS Gen2 Amplifier chassis with one 300W amplifier         | <b>P-A250-G</b>     |
| PAGASYS Gen2 Amplifier chassis with one 300W amplifier, 70V    | <b>P-A250-G-70</b>  |
| PAGASYS Gen2 Amplifier chassis with two 300W amplifier         | <b>P-A500-G</b>     |
| PAGASYS Gen2 Amplifier chassis with two 300W amplifier, 70V    | <b>P-A500-G-70</b>  |
| PAGASYS Gen2 Amplifier chassis with three 300W amplifiers      | <b>P-A750-G</b>     |
| PAGASYS Gen2 Amplifier chassis with three 300W amplifiers, 70V | <b>P-A750-G-70</b>  |
| PAGASYS Gen2 Amplifier chassis with four 300W amplifiers       | <b>P-A1000-G</b>    |
| PAGASYS Gen2 Amplifier chassis with four 300W amplifiers, 70V  | <b>P-A1000-G-70</b> |