![Cretone Audio logo] CRETONE AUDIO

Audio Algorithm Symbiosis Platform

Exclusive Custom Native UI

Diversified OEM/ODM

PGM7

Paging Station

A new choice for efficient and intelligent communication

Dante

01 Product Introduction

The PGM7 is a powerful and well-designed device that combines advanced technology with convenient operation. It uses a 7-inch Android touch screen as the operating interface, has a built-in microphone pre-amp module, supports digital transmission, and has a variety of practical functions. It can be widely used in various scenarios that require instant communication and information transmission, such as conferences, command centers, etc. Whether there are high requirements for sound quality or strict standards for signal transmission stability, the PGM7 can accomplish the task excellently.

02 Features

7-inch Android touch screen

The built-in 7-inch Android touch screen serves as an intuitive control interface. Users can design personalized user interfaces based on the processor and easily import them into the system. It supports Web browsers and user interface APP applications to achieve convenient control and detection operations.
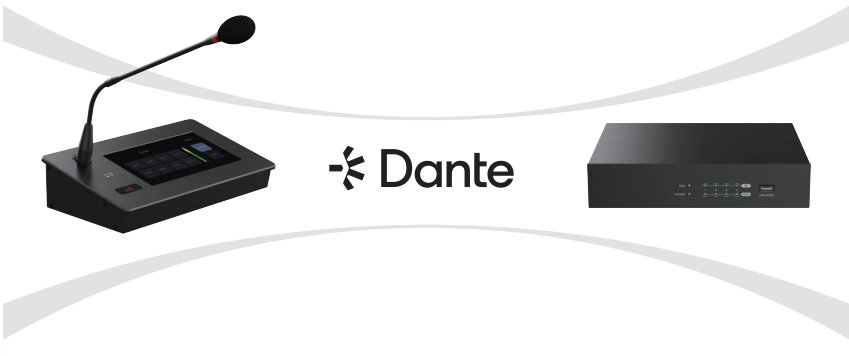
Built-in microphone pre-amp

Each unit is equipped with a condenser gooseneck microphone, which can be installed in the paging station and powered by 48V phantom power. The back panel is equipped with a 0-30dB microphone pre-amp gain knob, which can adjust the volume to the appropriate level according to the signal indicator of the front panel.

Digital transmission

Supports Dante transmission, the microphone signal can be transmitted to the other device through the Dante for routing. It can be used as a professional paging microphone when working with a processor. Meanwhile, the remote signal can be transmitted to the analog output interface of the paging device through Dante, which can be used for monitoring.

Support switching signal output type

The Source dial on the back panel can flexibly switch between analog or digital signals. In A (Analog) position, the microphone signal is output from the analog line out on the back of the station; when switched to D (Digital) position, it can be output as a digital signal through Dante, and the analog interface can be output as a Dante receiving signal.

A — Analog signal
D — Digital signal

Power sequencer and POE dual power supply

It supports 12V DC power supply and PoE power supply. You can flexibly choose the power supply method according to actual needs. It can also supply power at the same time and be used as the main and backup power supply functions.

Dual-mode paging

Mode 1	When the microphone is paging, press and hold the microphone button to speak.
Mode 2	Triple-tap to enter the lock mode, and you can speak without pressing the button, freeing your fingers. Press the button again to restore to the press-to-speak mode.

03 Specification

System	Android 10.0
Resolution	7″ RGB 1024*600
Processor	A133 1.6GHz Cortex A53 4 core 64bit
RAM	2GB
Storage	16GB
Dante Channel	1x1
Analog Output	1 Balanced Output (Source-selectable Output Signal)
Mic Gain	0-30 dB 1dB step
Mic Polar Pattern	Hypercardioid
Frequency Response	20Hz~20kHz（0/-0.6 dB)
Maximum Level	+13dBu
Sensitivity	-40dB （1V \ 1 Pa)
Sampling Rate	48 kHz
THD+N	≤0.003%（1kHz，A-weighted)
Input Dynamic Range	≥104dB
Output Dynamic Range	≥104dB
SNR	≥103dB
Noise	≤-91dBu（1kHz，+13dBu A-weighted)
Output Impedance	600Ω
Power Supply	12V DC or PoE (IEEE 802.3af) power supply
Dimension(WxDxH)	260x155x65mm (No microphone included)