

DIGICOM3K - INTERCOM / PA&GA SYSTEM OVER IP

AUDIO&VIDEO INTERCOM / PUBLIC ADDRESS



SYSTEM DESCRIPTION

DIGICOM 3K is an audio communication system with the application of advanced IP Audio TM technology. It allow to make IP public address and general alarm (PA&GA) systems and interphone system.

Each device of the **DIGICOM 3K** system carry out its own function (handset or hands free, Central or Local type amplifier...) and therefore you can make point to point communication by dialing the keypad or just push a button from local terminal. Make a general or group paging via master consol, even complexier, by combining the proper elements, such as extra flashing beacon or siren.

DIGICOM 3K is commonly used on used on Oil & Gas Platforms, Power Generation Plants, Refineries, Chemical Plants and industrial facilities. In order to meet variously customized demands,

Each **DIGICOM 3K** system rack can be equipped with hot standby amplifiers that assume the load in the event of an individual amplifier failure. Defaults amplifiers and power supplies can be replaced quickly without having to power down the system or disconnect wiring. User controls and fault reporting are easily accessible by the optional touch screen PC or remotely via a computer.

FEATURES

- Simultaneous management of intercom and telephone call functions with paging through the speakers network. (Via interface)
- Management of multiple speakers areas and of general call. Management of lines dedicated to the intercom function
- Multiple hot standby power amplifiers and loudspeaker network monitoring
- Connection to VoIP telephones, amplified telephones and paging call stations.
- Multiple combined single, N+1 and A/B architectures supported on a single network

SYSTEM FUNCTION

Intercom / Call

Communicate via Handset or Hands-free by different phone model, a mode of full-duplex.

A quick call to a target terminal by picking up handset (Hotline); Through numerical keys to randomly call any terminals.

Zone Paging

Broadcasting: - to certain / all of part of zones via IP network paging microphone.

- MP3 or WAV format music files to speakers, real-time/ schedule time/triggering broadcasting are available.
- other source such as PABX or Radio via interface.

Alarm Voice

Broadcasting: - pre-record alarm message to certain / all of part of zones, with different priority

- Voice alarm to certain / all zone with highest priority

Activate pre-record alarm message by operator console, or by 3rd party system via dry contact

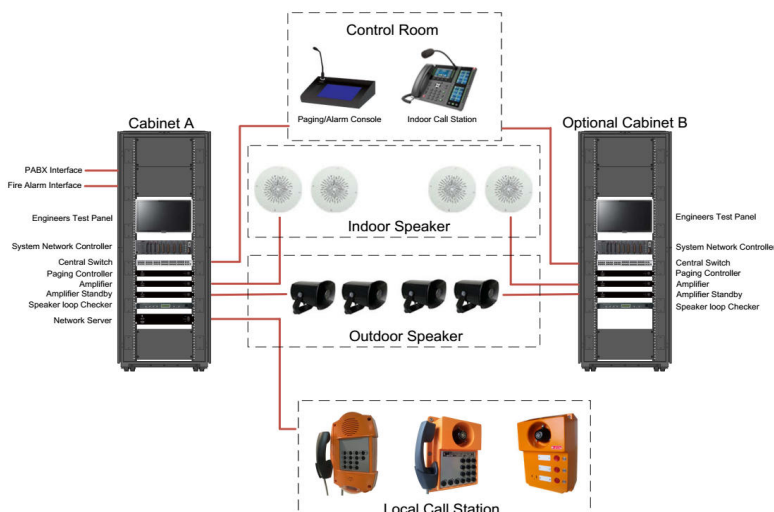
System Monitor (Optional)

Real time monitoring amplifier and hot standby (N+1) function (Optional with additional device)

Real time speaker loop monitor function with alarm (Optional with additional device)

Redundant function for system server, such as CPU and Power unit.

SYSTEM DIAGRAM



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SYSTEM MAIN EQUIPMENT

MAIN ACCESS CONSOLE

Indoor console used for paging and alarm.
LCD touch screen with microphone
High definition 3W built in speaker
Device protected by key and password.



CONTROL ACCESS CONSOLE

Indoor console used as an intercom for broadcasting and P2P call in the control room.
Compatible with standard SIP protocol.
With a paging microphone and 4.3" LCD
77 keys



CENTRAL SERVER

Up to 192 analog type Intercom terminals
or maxi 1024 IP subscribers.
Optional Redundancy CPU design.DC
48V or AC 110-240V, Redundancy power
supply module as option.



CENTRAL CABINET

Doors and sides are removable, lockable
Lock upgrade options available
Cable pass-throughs on bottom of rack
With different size from 12 to max 42U



TCP / IP

LOCAL SPEAKER



Wall mounted horn, IP66 from 15 to 30W
Ex type available.
Plastic or metal enclosure. 100V line or
8/16ohm type, for indoor/outdoor Paging
system.
With speaker monitoring module(Optional)
via additional checking unit.

CENTRAL AMPLIFIER



Class D or IP decoder built-in 100V/8 Ohms. Rated
power output of 120/240/350/500W.
Enable to broadcast Mp3 program or pre-recorded
voice message from PC server to amplifier.
Remote volume control and program.

LOCAL BEACON



Indoor / Outdoor flashing beacon, from 5
to 21J with different color (signal or bi-
color as demand).
Polyester or Metal enclosure, IP66 or Ex
Use for site with important noisy or be a
part of alarm system.

LOCAL CALL STATION

WP INTERCOM TERMINAL



WEATHER PROOF IP66 402E

- Suitable for communication in extremely harsh environments.
- Durable with Polyester Carbon casing and stainless steel components.
- Four variants: Full keyboard and hot-line (no keyboard), with or without LCD
- Analog or VoIP version with amplifier (Optional)

EX INTERCOM TERMINAL



EX D IIB or IIB+H2 T6 214A

- Aluminum Light-alloy enclosure, with metal button. IP66
- With build in amplifier / 15W Speaker
- Orange as standard color. Blue, yellow gray optional.
- Power over Ethernet (PoE) or 12-24V DC for IP version. Power from Center for analog version.