



CD-16

WALLMOUNT MONITORED PAGING CONSOLE



MAIN CHARACTERISTICS

- Wall-mount enclosure
- Secured CAT-5 link to controllers and slaves
- Monitoring of microphone capsule
- 8-zone selection buttons
- All-call button
- LED test button
- Power indicator
- EVAC indicator
- Status and fault indicator
- EN54-16 certified

CONTROLS AND INDICATORS

Front

- Three LED status indicators
- Activity indicators
- Zone selection buttons
- LED test
- Fireman's fist microphone with PTT

INTERCONNECTIONS

- RJ45 for CAT-5 connection (POE)



The CD-16 paging console is a remote paging interface with Access Level 2 protection in compliance with EN54-16. Compatible with DIVA8 and IDA8 PAVA systems, the unit serves up to 16 zones individually with an All-Call option. Zone selection buttons and fireman's fist microphone are encased in a heavy-duty IP30 wallmount metal box with lockable door.

The CD-16 console use the same architecture as the PPM paging console, with a junction box built into the enclosure for daisy-chaining multiple units (note that only the first console in the chain is monitored). The maximum recommended distance between units is 100m. As with the PPM paging console, the CD-16 zone buttons can represent a single zone or group of zones and are easily programmed through the system GUI using "drag and drop" functionality. The Push-To-Talk button can be programmed for PTT or latching operation. System status indicators show the status of all zones and indicators are also provided for Power, EVAC and Fault.

The CD-16 is powered over RS485 via CAT-5 (FTP/STP), however if power is not available over RS485 it can be locally powered using a 24V DC supply.

Note:

There are two versions of the CD-16 paging console with identical hardware and functionality but different firmware for compatibility with different systems.

CD-16-AS: Used with IDA8 system and ECS system controllers and slaves (max one monitored CD-16 per PDC port with up to 10 units daisy-chained from each. An external power supply should be added for every third unit in the chain).

CD-16-G2: Used with DIVA8 system controllers (max 11 CD-16 in a daisy-chained configuration, only first unit is monitored. An external power supply should be added for every third unit in the chain).

The ATEIS range of security systems complies with current architectural demands requiring IP and/or fiberoptic networking to cater for any possible PAVA design, however complex. ATEIS responds to Public Address and Voice Alarm requirements as stated in EN54-16, ISO 7240-16 and BS5839/8, with specific attributes for compliance in large installations.

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CERTIFICATIONS AND APPROVALS

REGION	CERTIFICATIONS	
Europe	CE	CE – 0359 (Intertek)
	Immunity	according to EN50103-4
	PAVA	EN54-16 certified 2012

PARTS INCLUDED

Quantities	Components
1	CD-16
1	CAT-5 cable, 1.5 m

TECHNICAL SPECIFICATIONS

Electrical

Power supply	RS485 (RJ45/CAT-5)
DC/battery power requirements:	
Voltage	18 - 26 VDC
Power consumption	150 mA

Performance

Frequency response	-3 dB @ 200 to 8kHz
THD	< 1% @ 1 kHz
Output level Max	6 dBu
Noise gate threshold	-84 dBu – 24 dBu
Attack time	8 ms
Release time	100 ms
Output impedance	100 Ohms

Monitoring speaker

Impedance	4 Ohms
Output power	1 W @ 1 KHz
Frequency response	-3 dB @ 200 to 12 kHz

Ordering information

CD16-G2	For DIVA8-Systems
CD16-AS	For IDA8-Systems

System Connection

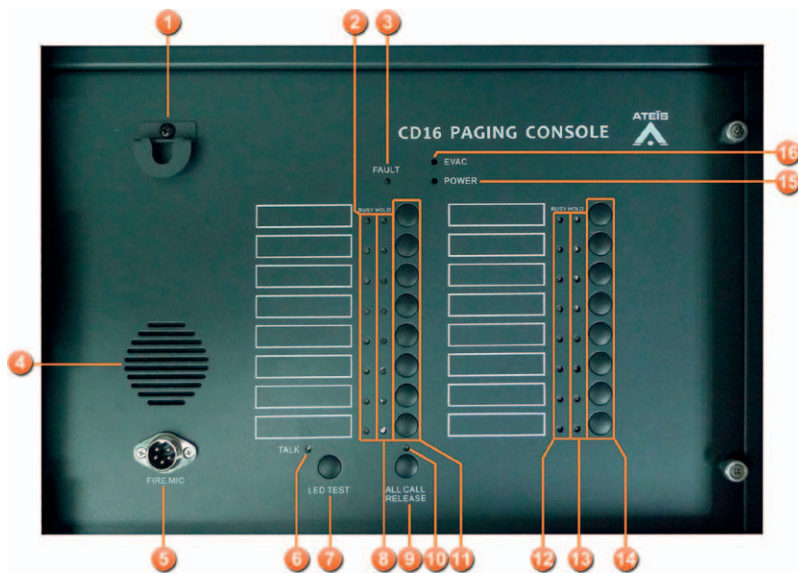
Cable type	CAT-5 (FTP)
Max Length	100 m

Mechanical

Dimensions (H x W x D)	130 x 350 x 130 mm
Weight	4.7 kg (10.4 lb)
Colour	RAL7016

Environmental

Operating temperature	-5 °C to +55 °C (+23 °F to +131 °F)
Storage temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative humidity	15% to 90%
Air pressure	600 to 1100 h Pa
IP rating	30



INSTALLATION NOTES

1.	Fireman's microphone hook	8.	SELECTION indicator
2.	BUSY indicators	9.	ALL-CALL and RELEASE
3.	FAULT indicator	10.	ALL-CALL indicator
4.	Monitor loudspeaker (Audible warning)	11.	Zone selections buttons
5.	Fireman's microphone connector	12.	BUSY indicators
6.	TALK indicator	13.	SELECTION indicator
7.	LED test	14.	Zone selections buttons
		15.	POWER indicator
		16.	EVAC indicator