



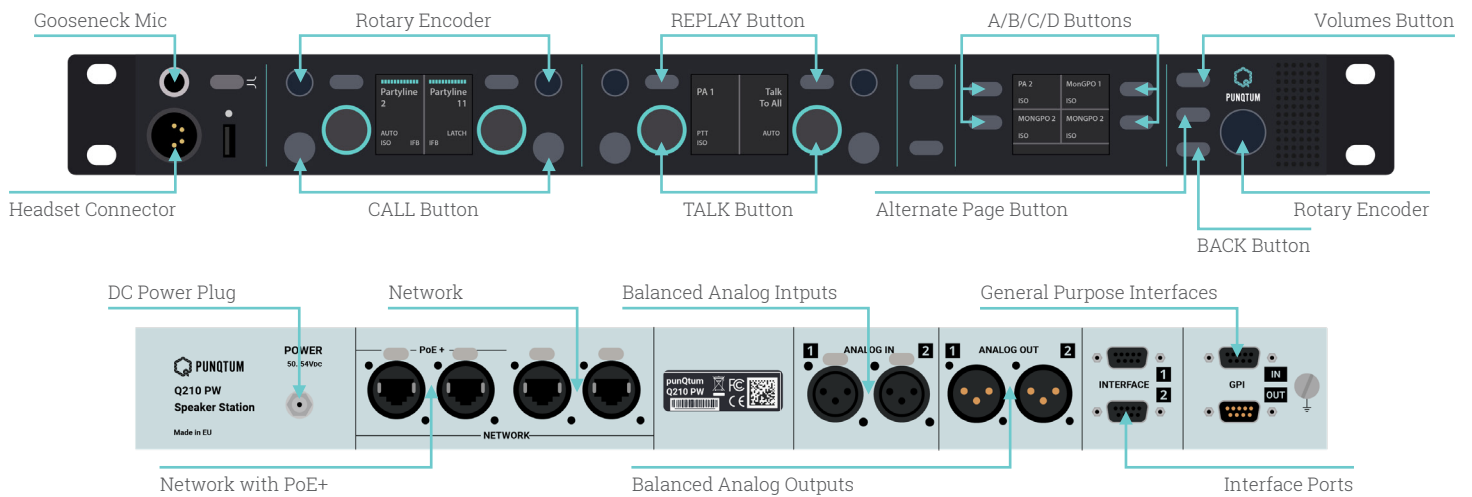
PUNQTUM

Q210 PW Speaker Station

The Q210 PW - Speaker Station is your complete, self-contained communication hub for wired and wireless communication. Up to 4 punQtum wireless Apps connect to the Speaker Station. 4 Channel communication, and programmable buttons allow muting all mics, make paging announcements or trigger logic outputs. Equipped with a network switch with 4 ports. Two of them are PoE powered to drive up to 4 wired belt packs each. The Q210 PW – Speaker Station gives you full control in a cost-effective and easy-to-use package.

Features

- ▶ Supports up to 4 punQtum wireless Apps
- ▶ 4-channel partyline speaker station
- ▶ Built in loudspeaker
- ▶ Microphone and headset connector
- ▶ Rugged, Ethercon™ connectors
- ▶ Audio replay of missed commsIP54-rated
- ▶ Easy-to-read colour display
- ▶ 4 configurable buttons for PA announcements, talk to all and GPO
- ▶ GPI inputs and outputs
- ▶ 2 Public address output
- ▶ 2 Program signal inputs
- ▶ Analogue inputs/outputs (2x 4-wire ports + 2x inputs + 2x outputs)
- ▶ Built-in PoE switch to power up to 8 belt packs
- ▶ On and Offline configuration software for Windows and Mac



General Specifications

Power Source	50 ... 54 VDC
PoE Power	30W per PoE Port
Sampling Rate	16 kHz
Headset Connector	XLR 4pin male
Connector Ethernet/LAN	4x RJ-45 EtherCon
Microphone Connector	1/4" jack with 7/16" -20 UNF thread
Built-in Speaker	5 Watts
Operating Temperature	-10° to +50°C
Operation Environment Humidity	0 to 90% non-condensing
D x W x H	19" 1HU: 100 x 433 x 44 mm
Weight	1.7 kg

Headphone Output

Output Impedance	27 Ohm
Output Level	+ 18.5 dBu (max)
Frequency Response	20Hz to 7kHz (+0/-1dB)
Distortion @ 1kHz	<-73 dB (0.02%)
Dynamic Range (20kHz)	95 dB (A-weighted)

Microwave Input

Bias Voltage	5.4V (typ.)
Full-scale Input Range	-53 ... +4 dBu
Distortion @ 1kHz	< -75 dB (0.02%) @ 4dBu FS (min. gain) < -68 dB (0.04%) @ -30dBu FS < -49 dB (0.35%) @ -53dBu FS (max. gain)
Dynamic Range	92 dB (min. gain) 59 dB (min. gain)

Analog Interface Outputs

Output Impedance	<2 Ohm
Output Level	+ 18 dBu (max)
Frequency Response	20Hz to 7kHz (+0/-0.25dB)
Distortion @ 1kHz	<-80 dB (0.01%)
Dynamic Range (20kHz)	98 dB (A-weighted)

Analog Interface Inputs

Input Impedance	>20 kOhm
Input Level	+ 18 dBu (max)
Frequency Response	20Hz to 7kHz (+0/-0.25dB)
Distortion @ 1kHz	<-80 dB (0.01%)
Dynamic Range (20kHz)	90 dB (A-weighted)

GPI Inputs

Input Connector	D-sub 9 female
Number of GPI Inputs	4
Input Type	Optocoupler input with current limiter
Input Voltage	5 ... 50 VDC
Input Current	5 mA (typ.)

GPI Outputs

Output Connector	D-sub 9 male
Number of GPI Outputs	4
Output Type	PhotoMOS Relay
On Resistance	< 3 Ohm
On Current	200 mA (max.) - resistable PTC fuse 400 mA
Maximum Voltage	50 VDC / 35 VAC