



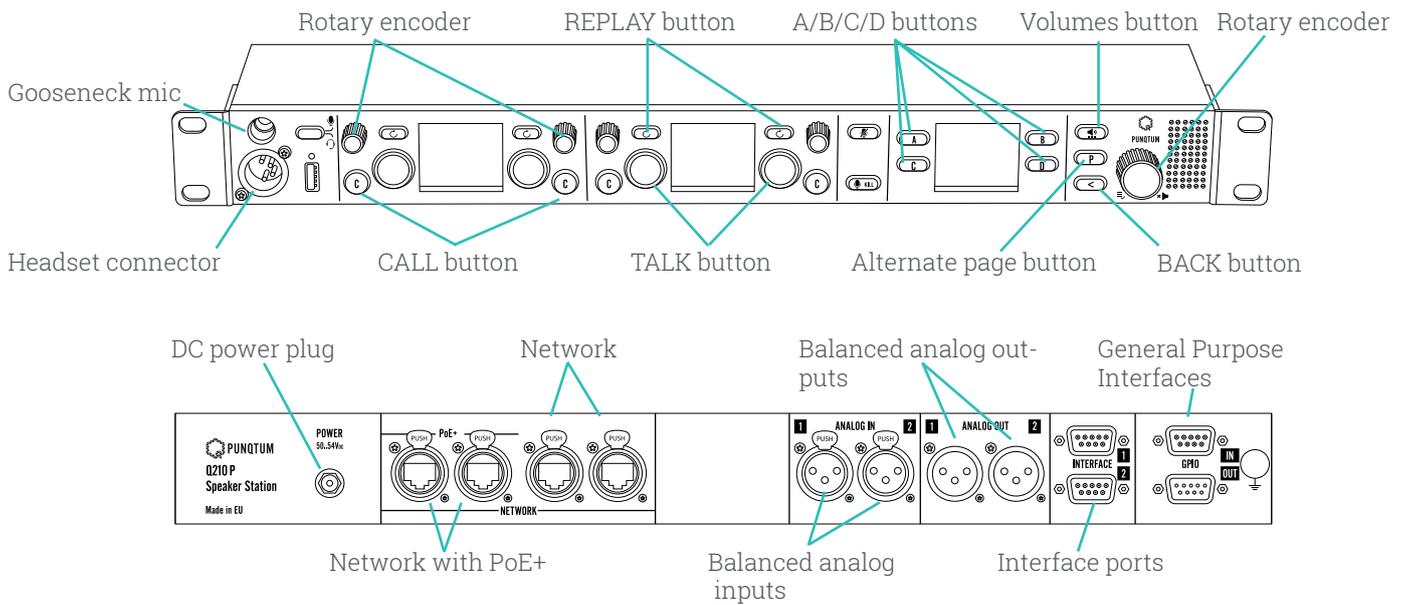
**PUNQTUM**  
► BY RIEDEL

## Q210 P - Speaker Station

The Q210 P - Speaker Station gives you full control in a cost-effective and easy-to-use package. 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 beltpacks each. The Q210 P Speaker Station is your complete, self-contained communication hub.

### Features

- 4-channel partyline speaker station
- Built in loudspeaker
- Microphone and headset connector
- Rugged, Ethercon™ connectors
- Easy-to-read colour display
- 4 configurable buttons for PA announcements, talk to all, and GPO
- Audio replay of missed comms
- GPI inputs and outputs
- Analogue inputs/outputs (2x 4-wire ports + 2x inputs + 2x outputs)
- Built-in PoE switch to power up to 8 beltpacks
- 2 Public address output
- 2 Program signal inputs
- On- and Offline configuration software (Win/ 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 Temp.	-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

## 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)

## 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)

## 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.)

## Microphone 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 (max. gain)

## 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.) - resettable PTC fuse 400 mA
Maximum Voltage	50 VDC / 35 VAC