

# Quattro3

**MT305**

USB and SIP/IP Telephone



Enhanced audio conferencing, *simplified.*

The Quattro3 (Q3) is a high-quality conference speakerphone that will turn any room into a professional sounding conference room. It has an exceptionally large pickup range and broadcasting range, yet is small in size and discrete in design. The Q3 utilizes multiple microphones, a uniquely designed speaker, and a powerful DSP to achieve commanding performance. The Q3 can easily be paired with an interface module to enable it to communicate with different types of infrastructures.

The MT305 model has both a USB and SIP/IP telephone interface. The USB outlet allows you to connect to a computer for any web audio conferencing Session such as Skype, Vidy, etc, while the telephone interface allows you to connect to any VoIP/SIP/IP service provider. It comes with a built-in dial pad and LCD screen.

## FEATURES

- Four microphone beam forming array
- Full duplex communication
- Echo cancellation
- Noise suppression
- De-reverb
- Automatic gain control
- Daisy chainable
- Supports single source daisy chain powering
- Bridging between USB and VoIP/SIP/IP
- Supports PoE (Power Over Ethernet)
- Fully functional dial pad with backlit LCD screen
- Durable aluminum casing
- LED lit control buttons



**THIS DEVICE PROVIDES IDEAL AUDIO SOLUTION FOR:**

- Small offices or home offices
- Small to very large conference rooms
- Classrooms and training rooms
- Webinars and web conferences
- Executive Desktop

**Performance**

The Q3 has a new and more powerful processor than before. We continue to deliver crystal clear audio through full duplex technology, giving you true High Definition Audio in your conference room.

**Design**

The unique design for this speakerphone makes it easy to use and hassle free. The cable connection is conveniently placed under the unit for discretion.

**Expandable**

All devices can be Daisy Chained. A total of 15 units can be chained with a standard Ethernet cable. The same Ethernet cable can also power up to 8 units while only one is plugged in. No more proprietary cables. No more designated units.

**SPECIFICATIONS**

**Connections**

USB interface (mini B connector)  
 3.5mm external loudspeaker and microphone jack  
 Volume Up / Volume Down buttons  
 Daisy chain expanability of up to 15 units  
 Power Consumption: 5v 500mA  
 Peak through USB and wall mount AC/DC converted.

**Audio**

Frequency Response 50Hz – 16KHz  
 Low latency (10ms)  
 Broadcast level (peak): 92dB SPL @1m (5 watts RMS)  
 Three-way bridging capability  
 Noise cancelation >10dB (without pumping noise)  
 100% full duplex – no attenuation (in either direction) during full duplex  
 High-end performance confirms to ITU-T G. 167  
 Acoustic echo cancelation > 40dB/sec  
 Residual echo is suppressed to the Enviroment noise level, preventing artificial ducking of signal  
 4 high-quality directional microphones  
 Direction-finding algorithm (determines the presence and direction of a speaker)  
 Beam-forming algorithm (forms and directs audio beams towards a defined direction)  
 Automatic voice-level adjustment (AGC)

**Dimensions**

Dimension: 7" diameter, 1-7/8" height  
 Weight: 2 lbs  
 Metal case and metal grill mesh for high RFI immunity and product durability

**VoIP and Signaling**

SIP - RFC 3261, SDP - RFC 2327 SIP over TCP/UDP, Redundancy, Digest Authentication, PRACK, Early Media

**Data Protocols**

IPv4, TCP, UDP, ICMP, ARP, RTP, SRTP, Static IP/DHCP IP Assignment, IEEE 802.1p/Q, HTTP/HTTPS/DHCP, NTP, FTP/TFTP

**Software**

Plug-and-play – No installation or Drivers.  
 Audio Setup Utility is available for Windows.  
 The setup utility helps monitor the Audio input and output level but is Not required.  
 Recording utility is available for Windows.  
 Recording utility is available for Windows.  
 Recording utility allows you to record Conversations to your computer via The device.  
 Operating systems: Windows 98 And up / Linux / MacOS

**Accessories**

USB cable  
 International AC adapter  
 Daisy chain cable (Ethernet)  
 Telephone cable

**Warranty**

Two Years.

**Regulatory Compliance**

Complies with FCC 47 CFR part 68, And ACTA adopted technical criteria: TIA-968-A  
 Complies with FCC 47CFR part 15; ICES-003: 2004 Issue 4, Class B; AS/NZS CISPR 22: 2006, Class B; EN 55022: 1998+A1(00)+A2(03), Class B;; EN61000-3-2: 2000+A2(05); EN61000-3-3: 1995+A2(05); EN55024: 1998+A1(01)+A2(03)  
 Complies with ETSI EG 201 121 V1.1.3 (2000-02); ETSI ES 203 021-2 V2.1.2 (2006-01); ETSI ES 203 021-3 V2.1.2 (2006-01)  
 Conforms to the requirements of the European Union Directive 2002/95EC (RoHS Directive)

**Provisioning and Management**

Web Server for Configuration and Management, Configuration update via FTP, TFTP, HTTP, HTTPS, DHCP Options (66,67,160,12,77,42)