

## Biamp - Apart Tesira FORTE X400

Šifra: 15600

Kategorija proizvoda: Pa Rack Ostalo

Proizvođač: Biamp - Apart

Cena: **383.880,00** rsd

TesiraFORTÉ® X 400 is a meeting room DSP featuring multiple network and analog audio connection points, with 4 channels of Acoustic Echo Cancellation (AEC) assignable across any digital or analog input. Five

1 Gigabit Ethernet ports are provided, four of which are PoE+ powered, and all of which support media and control traffic of various types including AVB, Dante™, and VoIP.

A USB port also supports 1x1 mono or 2x2 stereo USB audio along with HID synchronization allowing the device to act as a conferencing audio peripheral to systems such as Biamp's Modena™ family or Unified Communications platforms.

Biamp Launch™ technology provides the capability for device discovery and tuning to be undertaken without the need for custom programming, and additionally provides the user with a full performance report of the space upon completion.

TesiraFORTÉ X 400 provides extensive audio processing, including but not limited to: AEC technology, signal routing and mixing, equalization, filtering, dynamics, and delay, as well as control, monitoring, and diagnostic tools. TesiraFORTÉ X 400 is auto-configurable using Biamp Launch but also allows users the option to manually override and completely customize its programming using Tesira software.

Up to 64x64 AVB Streams of digital audio networking with Biamp AVB devices

Up to 128 x 128 channels of digital audio networking with Biamp AVB devices

32 x 32 channels of digital audio networking via the Dante protocol

AES67-enabled Dante endpoint

2 mic/line level inputs, 2 mic/line level outputs

Five 1 Gigabit Ethernet Ports

Four ports support PoE+ power (IEEE 802.3.at Class 4, 30W)

Up to 2x2 channels of configurable USB audio

4 AEC channels assignable to any input

4-pin GPIO

Surface mountable with included bracket

Supports port authentication via IEEE 802.1X

SIP VoIP interface via Gigabit Ethernet connection

CE marked, UL listed, and RoHS compliant

Covered by Biamp Systems' 5-year warranty

## ARCHITECTS & ENGINEERS SPECIFICATION

The Conference Room DSP shall support Ethernet connection for programming and control on a RJ-45 connector. The Conference Room DSP shall have internal DSP processing. The Conference Room DSP shall include 4 channels of General Purpose Input and Output connection (GPIO) for sending or receiving logic signals. The programming of the GPIO ports shall be software configurable. The Conference Room DSP shall include a Universal Serial Bus (USB) connection on a standard USB-B type connector. The Conference Room DSP shall be software configurable to stream up to 2 channels of digital USB Class 1 Audio transmission either into or out of

the Conference Room DSP or simultaneous input and output. The Conference Room DSP shall support port authentication via IEEE 802.1X. The Conference Room DSP shall provide 2 balanced input connections for receiving of microphone or line level analog audio signals on screw-down, removable connectors. Any network audio or analog audio connection may be assigned one of four channels of Acoustic Echo Cancellation (AEC). Acoustic Echo Cancellation (AEC) hardware and firmware, the parameters, routing and operation of which shall be software programmable. The Conference Room DSP shall provide 2 balanced output channels for the transmission

of microphone or line level analog audio signals on screw-down, removable connectors. Each individual channel shall have its own dedicated connection. The Conference Room DSP shall integrate to Voice Over Internet Protocol (VoIP) systems on a RJ-45 connector and shall support Session Initiation Protocol (SIP) v2.0 or later. The Conference Room DSP shall be capable of being deployed with zero programming or manual tuning and shall provide a post-commissioning status report via the use of Biamp Launch technology. The Conference Room DSP shall feature software-configurable signal processing, including but not limited to: signal routing and mixing,

equalization, filtering, dynamics, and delay, as well as control, monitoring, and diagnostic tools. The Conference Room DSP shall provide front panel LED identification of device power, status, alarm, and activity as well as system-wide alarm. The Conference Room DSP shall be surface mountable using the included mounting hardware. The Conference Room DSP shall be CE marked, UL listed, and shall be compliant with the RoHS directive. Warranty shall be five years. The Conference Room DSP shall be TesiraFORTÉ® X 400.

## TESIRAFORTÉ X 400 SPECIFICATIONS

Frequency Response:

20Hz to 20kHz, +4dBu output:

+0.25 dB/-0.5 dB

Crosstalk, channel to channel, 1 kHz:

0dB gain, +4dBu input: < -85dB

54dB gain, -50dBu input: < -75dB

THD+N (22Hz to 22kHz):

0dB gain, +4dBu input: 54dB gain, -50dBu input:

< 0.006%

< 0.040%

Sampling Rate: 48kHz

A/D - D/A Converters: 24-bit

EIN (no weighting, 22Hz to 22kHz):

Dynamic Range (in presence of signal) 22Hz to 22kHz, 0dB gain:

< -125dBu

> 108dB

Power Consumption:

100-240VAC 50/60Hz: < 150W

USB:

Bit Depth: 24-bit

Number of Channels: up to 2x2

Sample Rate: 48kHz

Input Impedance (balanced):

8kΩ

Output Impedance (balanced):

207Ω

Maximum Input:

+24dBu

Environment:

Ambient Operating

Temperature Range: 32-104° F (0-40° C)

Humidity: 0-98%, non-condensing

Altitude: 0-6,600 feet (0-2000 Meters) MSL

Maximum Output (selectable):

+24dBu, +18dBu, +12dBu,

+6dBu, 0dBu, -31dBu

Maximum Number of AVB Channels:

128x128

Maximum Number of AVB Streams:

64x64

Compliance:

FCC Part 15B (USA) Canada ICES-003 (A) / NMB-003 (A)

CE marked (Europe) UL und C-UL listed (USA and Canada)

RCM (Australia) RoHS Directive (Europe)

Maximum AVB Stream Passthrough:

150

Maximum Number of Dante Channels:

32x32

Maximum Number of Dante Flows:

32x32

Input Gain Range (6dB steps):

0-66dB

Overall Dimensions:

Height: Width: Depth: Weight:

1.47 inches (37.3 mm)

8.11 inches (206 mm)

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1.9 lbs (0.86kg)

Phantom Power:

+48VDC (7mA/input)