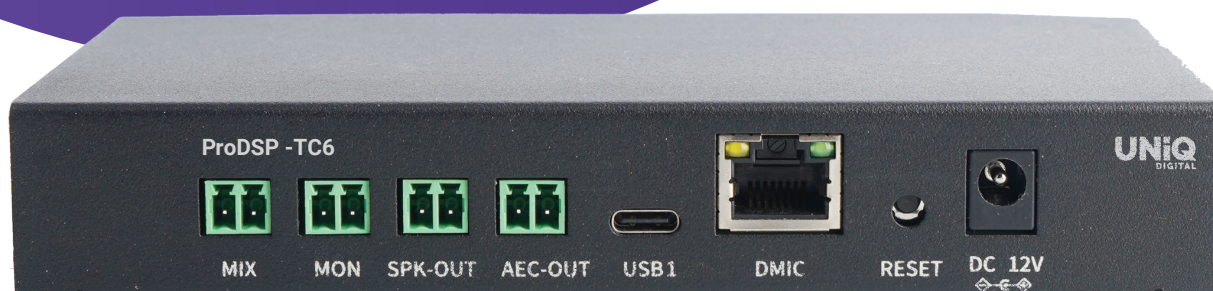# DIGITAL AUDIO SIGNAL PROCESSOR

AUTOMATIC DSP FOR T.Cas6

ProDSP -TC6

Digital audio processor, powerful processor and multiple interfaces max can support ProDsp - TC6.

ProDSP -TC6

MIX MON SPK-OUT AEC-OUT USB1 DMIC RESET DC 12V

6 Microphone Array

Audio Algorithm

6 level Cascade

PoE

Double Talk

Plug & Play

Automatic Echo Cancellation

Features

Professional Digital Audio Processor

Featuring dedicated chips and an embedded architecture, this professional digital audio processor ensures precise volume control and high efficiency. With low latency, the system offers enhanced safety, stability, and reliability.

Audio Algorithm

This processor integrates advanced technologies, including Automatic Noise Suppression (ANS), AutomaticGain Control (AGC), and Automatic Echo Cancellation (AEC). Additionally, it employs cutting-edge digital audio technologies such as automatic equalization, intelligent microphone mixing, and anti-reverberation.

Cascade

The system supports up to 6 cascaded microphone inputs and 4 linear inputs, along with extended wireless microphone capabilities. It also features 4-way linear output and USB audio input and output.

Plug and Play Wiring is Simple

With support for standard POE to power digital microphones, this system offers RJ45, USB, and linear audio interface connections. Its plug-and-play design simplifies engineering wiring, allowing for long-distance transmission and robust anti-interference performance.

PRODUCT SPECIFICATIONS

HARDWARE I/O

Network Interface	1× Uplink LAN interface
	1× Downlink cascaded DMIC interface, with up to 6 levels of microphone cascaded
USB Interface	1× DEVICE interface, used as a USB audio device to connect to a USB host (such as a PC)
	1× HOST interface, used as a USB host to connect USB devices
Audio Interface	4 × Input Phoenix terminal interface, unbalanced linear audio input
	4 × OUTPUT Phoenix terminal interface, unbalanced linear audio output
Power Interface	DC 12V
Key (M702A)	Tap the button (mute button with light indication)

GENERIC SPEC

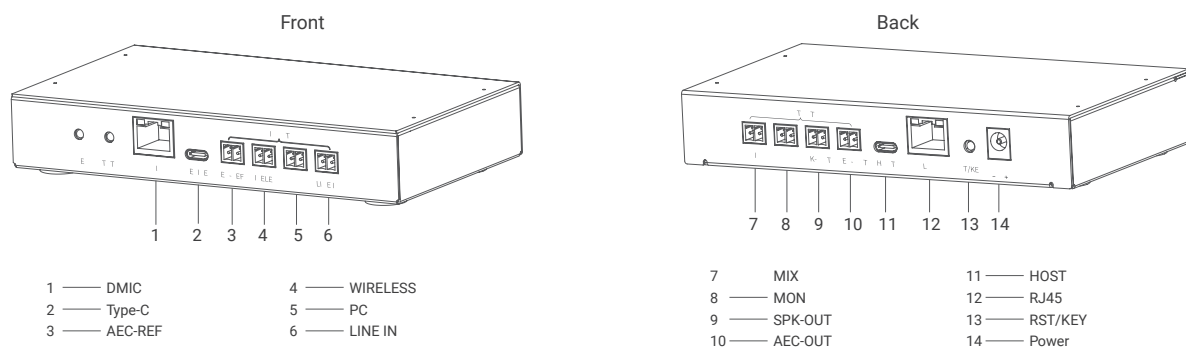|	
Power	DC 12V/3A
POE	POE 48V power supply, supporting IEEE802.3 AT
Dimension	160mm(W) ×88mm (D)× 27mm(H)
Net Weight	Approx 0.4Kg

Working Power

VDC12/2A

Power Adaptor

12vDC power adaptor for 230VAC, 50HZ

AEC-OUT USB1 DMIC RESET DC 12V

INTERFACE DIAGRAM

Front

Back

1 — DMIC	4 — WIRELESS
2 — Type-C	5 — PC
3 — AEC-REF	6 — LINE IN

7 — MIX	11 — HOST
8 — MON	12 — RJ45
9 — SPK-OUT	13 — RST/KEY
10 — AEC-OUT	14 — Power

Authorised Partner