

AMP203 Dante™ mini stereo amplifier

Highlights:

- Compatible with AUDAC Touch[™] 2
- Compatible with TouchLink™
- Advanced DSP and loudspeaker management
- Dante & AES67 digital audio input
- PoE 802.3bt (and lower) compatible
- Ethernet & RS-485 control possibilities

The AMP203 is a revolutionary mini stereo amplifier, featuring network input through Dante[™] or AES67 providing a complete media networking solution to distribute uncompressed audio via standard Ethernet networks with near-zero latency, while allowing all other data to be connected on the same network.

Various DSP functionalities are implemented in the AMP203. This allows all configurations to be made in AUDAC Touch[™] 2 or via RS485 and Ethernet, making it a fully-fletched 2 x 30W amplifier. The output connector has been implemented using a 4-pin terminal block connector, featuring an output power of 30W per channel and 60W when bridged.

Using PoE (Power over Ethernet) this extremely power-efficient amplifier receives both power and signal through a single networking cable, this way flexibility is maximized while needed cabling is kept at a minimum.

The compact convection cooled enclosure eliminates any humm or buzz otherwise caused by a fan. Various optional mounting brackets are available like the MBS1xx series, which allow it to be mounted under a desk, in a closet, on the wall, on top of a dropped ceiling or to a 19" equipment rack. This proves that the AMP203 is the perfect solution for compact to medium-sized applications in corporate, hospitality or retail environments.

Decentralize your system

Thanks to the multifunctional use of the AMP203 in combination with the AUDAC Touch^M 2 app it is possible to create a decentralized multi-zone system. By simply connecting the AMP203 to the local network and connecting the loudspeakers, a new zone can be introduced to your system.

Applications:

- Education
- Corporate spaces
- Retail
- Residential



Certification:





System specifications:

Crosstalk (@ 1 kHz) < -98 dB	RMS Power	@ 2 Ω Bridge		1 x 60 W
Efficiency >70% Cooling Convection cooled Control RS-485 Convertion RS-485 Power PoE 802.3bt Power Supply Supply 24 V DC Inputs Other Type RS-485 Portection Supply Protection Supply Protection Query Hasting Over heating Over heating Outputs Type Signal limiting Outputs Type 1 x Stereo Loudspeaker Outputs Type 1 x Stereo Loudspeaker	THD+N (@ 1 kHz)			< 0.015%
Cooling Convection cooled Control RS-485 Control TCP/IP Power PoE 802.3bt Supply 24 V DC Inputs Other Type 1 x Ethernet RS-485 Base-300 Protection Supply Protection Connector Protection Connector Quer Isadi Doer Isadi Protection Signal limiting Outputs Type Type 1 x Stereo Loudspeaker Outputs Type Type 1 x Stereo Loudspeaker	Crosstalk (@ 1 kHz)			< -98 dB
Control RS-485 Control TCP/IP Power PoE 802.3bt Supply 24 V DC Inputs Other Type 1 x Ethernet RS-485 Bante/AES67 (4 channels) Protection Connector Protection Over load Over load Dother Inputs Type Inputs Over load Inputs Dother Inputs Type Inputs Over load Inputs Type Inputs Type <	Efficiency			> 70%
Impute TCP/P Power PoE 802.3bt Supply 24 V DC Inputs Other Type Impute Type RS-485 Impute Connector RJ45 Protection Over heating Over heating Impute Impute Signal limiting Impute Type Impute Impute Type Signal limiting	Cooling			Convection cooled
Power PoE 802.3bt Supply 24 V DC Inputs Other Type 1 x Ethernet RS-485 Bante/AES67 (4 channels) Dante/AES67 (4 channels) Dante/AES67 (4 channels) Protection Connector RJ45 Protection Over load Over load Outputs Type Over load Outputs Type Signal limiting Outputs Type 1 x Stereo Loudspeaker	Control			RS-485
Supply 24 V DC Inputs Other Type 1 x Ethernet Inputs F3-485 R5-485 Inputs Connector Dante/AES67 (4 channels) Protection Connector RJ45 Protection Over heating Over heating Inputs Jourge Jo				TCP/IP
Inputs Other Type 1 x Ethernet Inputs Ix Ethernet RS-485 Inputs Ix Ethernet Dante/AES67 (4 channels) Inputs Ix Ethernet Dante/AES67 (4 channels) Inputs Ix Ethernet RJ45 Inputs Ix Ethernet RS-485 Inputs Ix Ethernet RS-485 Inputs Ix Ethernet RS-485 Inputs Ix Stereo Loudspeaker Ix Stereo Loudspeaker Inputs Ix Stereo Loudspeaker Ix Stereo Loudspeaker	Power			PoE 802.3bt
Note RS-485 Image: Second S		Supply		24 V DC
Image: Sector of the sector	Inputs	Other	Туре	1 x Ethernet
Connector RJ45 Protection Over heating Image: Connector Over heating Image: Connector Over heating Image: Connector DC Short circuit Image: Connector Signal limiting Image: Connector 1 x Stereo Loudspeaker				RS-485
Protection Over heating Over load Over load Image: Signal limiting DC Short circuit Outputs Type 1 x Stereo Loudspeaker Image: Signal limiting Image: Signal limiting				Dante/AES67 (4 channels)
Over load Over load DC Short circuit Signal limiting Outputs Type Connector 4-pin Euro Terminal Block (Pitch - 5.08 mm)			Connector	RJ45
DC Short circuit Signal limiting Outputs Type Connector 4-pin Euro Terminal Block (Pitch - 5.08 mm)	Protection			Over heating
Signal limiting Outputs Type Connector 4-pin Euro Terminal Block (Pitch - 5.08 mm)				Over load
Outputs Type 1 x Stereo Loudspeaker Connector 4-pin Euro Terminal Block (Pitch - 5.08 mm)				DC Short circuit
Connector 4-pin Euro Terminal Block (Pitch - 5.08 mm)				Signal limiting
	Outputs	Туре		1 x Stereo Loudspeaker
		Connector		4-pin Euro Terminal Block (Pitch - 5.08 mm)
Power Consumption 80 W (max.)	Power	Consumption		80 W (max.)
Nominal (1/8 MUP) 10.6 W			Nominal (1/8 MUP)	10.6 W
RMS Power @ 4 Ω Stereo 2 x 30 W	RMS Power	@ 4 Ω Stereo		2 x 30 W
@ 8 Ω Bridge 1 x 30 W		@ 8 Ω Bridge		1 x 30 W
@ 8 Ω Stereo 2 x 30 W		@ 8 Ω Stereo		2 x 30 W
		@ 4 Ω Bridge		1 x 60 W

Product Features:

Dimensions	108 x 44 x 165 mm (W x H x D)
Weight	0.7 kg

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Architects' and Engineers' Specifications:

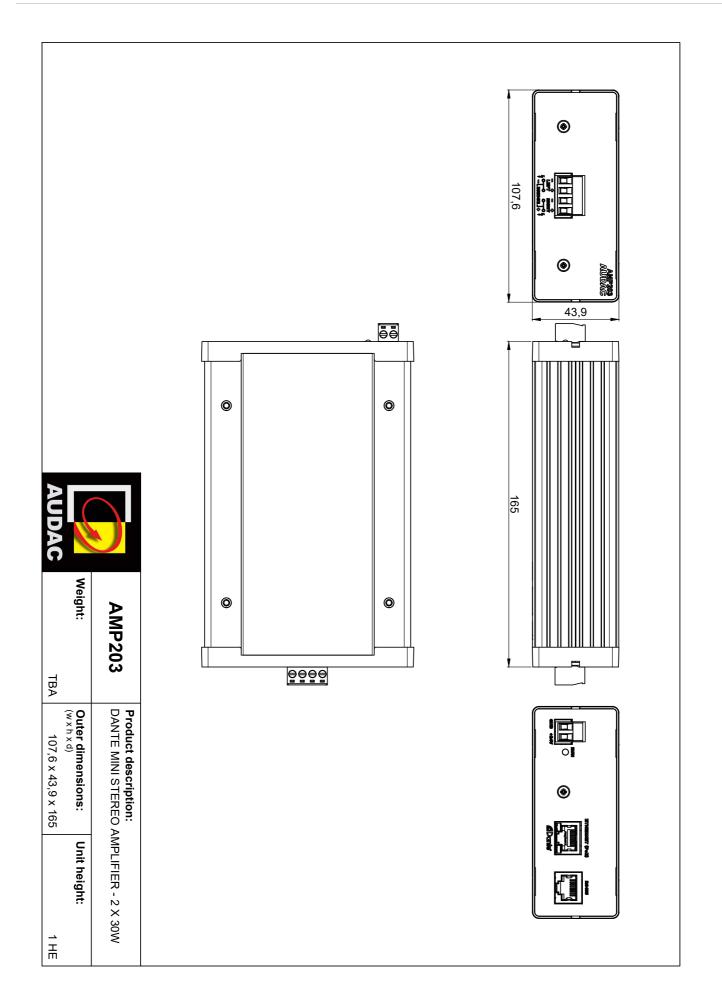
The amplifier shall be a Dante® mini stereo amplifier with an output power of 2 x 30 Watt. It shall be compatible with networked audio transmission protocols including Dante® and AES67 for distribution of uncompressed audio over standard Ethernet networks. The amplifier shall be constructed using Class-D amplifier technology and power supply shall be transferred over PoE (Power over Ethernet) compatible with the IEEE 802.3bt standard.

Various integrated DSP functions shall be included, including a 2-band tone control, freely configurable filters and the possibility for integration of WaveDynamics[™] speaker presets. Additionally, the system shall be fully controllable through implementation in a total system control platform which is compatible with a wide variation of operating systems including Android, iOS, Windows, Mac and Linux. This application shall allow creation and customization of application-specific dashboards, allowing combining its controls together with other audio & video equipment from one single dashboard.

The gain of the input channels and the maximum output level shall be software configurable. The output shall be stereo, while configuring to bridge mode delivers merged output power to a single load. Integrated circuitry shall protect against short-circuits or mismatched loads and over-heating. Due to the complete passive cooling of the device, an absolute zero production of hum and noise shall be ensured in all circumstances. Intelligent output power limiting shall avoid drawn output power to exceed the supply capacity of the available PoE networking equipment.

Full system control shall be possible through TCP/IP, while an additional RS-485 port allows integration and expansion of the system through wall control panels or other RS-485 compatible devices. The RS-485 connection is implemented through an RJ45 connector, while speaker outputs are connected through 4-pin terminal block connectors.

The enclosure shall be an S-Box[™] modular aluminum enclosure with dimensions 108 x 44 x 165 mm which can be easily mounted and hidden using an optional mounting brackets and the weight shall not exceed 0.7 kg.



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