

SymNet xIn 12

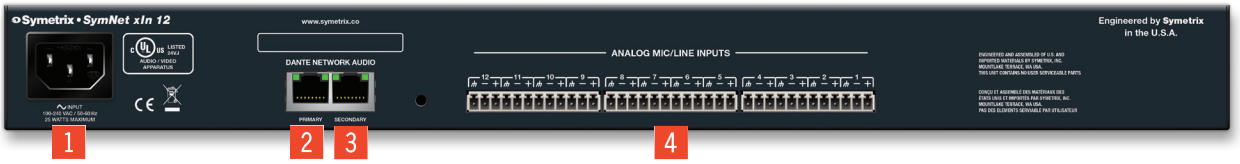
- Audio input (A/D) expander for SymNet systems that capitalizes on the surplus DSP of an Edge or Radius unit to bring overall system costs down.
- 12 mic/line inputs, including +48 VDC phantom power, with the industry leading performance specifications of Edge and Radius.
- Configured with SymNet Composer. No third party software, archaic DIP switches, or complicated front panel menus.
- Network audio expansion using Dante protocol over standard IT networks. Ultra low latency.
- Built-in switch for Dante provides direct connection to a SymNet system and daisy-chaining of up to 10 units without additional network hardware.

Specifications

Items	Specifications
Sampling rate	48 kHz, ± 100 ppm.
Frequency response (A/D)	20 Hz – 20 kHz, ± 0.5 dB.
Channel separation (A/D)	> 111 dB @ 1 kHz, +24 dBu.
Dante cable	Standard CAT6, maximum device to device length = 100 meters.
Connectors	3.81 mm terminal blocks.
Number of inputs	Twelve (12) switchable balanced mic or line level.
Nominal input level	+4 dBu with 20 dB of headroom.
Maximum input level	+23 dBu.
Mic pre-amp gain	0, 11.8, 24, 44 or 54 dB switchable.
Mic pre-amp EIN	< -127 dB with 150 Ohm source impedance.
CMRR	> 76 dB @ 1 kHz, unity gain.
Input impedance	8k Ohms balanced, 4k Ohms unbalanced.
Phantom power (per input)	+48 VDC @ 10 mA maximum.
Dynamic range	> 116 dB, A-weighted.
THD + Noise	< -100 dB, unweighted; 1 kHz @ +22 dBu with 0 dB gain.
Latency	0.28 mS.

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1. **Power:** Accepts power from detachable IEC power cable (100-240 VAC, 50-60 Hz, 25 Watts max).
2. **Dante (Primary):** 1000 Base-T Ethernet port provides 128 (64x64) channels of Dante network audio.
3. **Dante (Secondary):** 1000 Base-T Ethernet port for redundant Dante network audio implementation.
4. **Analog Inputs:** Twelve channels of mic/line input with phantom power.

Mechanical Data

Items	Specifications	Remarks
Space Required	1U (WDH: 18.91 in x 9.5 in x 1.72 in / 48.02 cm x 24.13 cm x 4.37 cm). Depth does not include connector allowance.	Allow at least 3 inch additional clearance for rear panel connections. Additional depth may be required depending upon your specific wiring and connections.
Electrical	100-240 VAC, 50/60 Hz, 25 Watts maximum universal input.	No line voltage switching required.
Ventilation	Maximum recommended ambient operating temperature is 30 C / 86 F.	Ensure that the left and right equipment sides are unobstructed (5.08 cm, 2 in. minimum clearance). The ventilation should not be impeded by covering the ventilation openings with items such as newspapers, tablecloths, curtains, etc.
Shipping Weight	12 lbs. (5.4 kg).	
Certifications or Compliance	UL 60065, cUL 60065, IEC 60065, EN 55103-1, EN 55103-2, FCC Part 15, RoHS.	

Architect and Engineer Specifications: SymNet xIn 12.

The device shall provide twelve analog mic/line inputs that are adjustable from line to mic level with coarse gain and phantom power. Levels and phantom power shall be controllable via online connection with software only. Audio connections shall be accessed via rear panel 3.81 mm terminal block connectors.

Network audio expansion shall be provided by the Dante protocol. Primary and Secondary Dante network audio connections shall be provided for redundant network implementation. Connectors shall be gigabit RJ45 utilizing CAT6 cable.

A designer software application shall be provided that operates on a Windows computer, with network interface installed, running Windows® XP or higher operating system. Computer connection for configuration shall be via a hosting DSP unit's rear panel Ethernet connector that communicates with the device via Dante.

The front panel shall include input signal level indicators as well as indicators for POWER and DANTE (PRIMARY and SECONDARY).

Audio conversion shall be 24-bit, 48 kHz and the dynamic range shall not be lower than 116 dB, A-weighted with a maximum input level of +23 dBu.

The device shall have an IEC power input socket for 120-240 VAC. The device shall meet UL/CSA and CE safety requirements and comply with CE and FCC Part 15 emissions limits. The device shall be RoHS compliant. The chassis shall be constructed of cold rolled steel and moulded plastic, and mount into a standard 19" 1U EIA rack. The device shall be a **Symetrix SymNet xIn 12.**

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