

The NJR-AB08DAN transcodes audio signal directly between the IP-NINJAR and Dante protocol environments. Audio signal transport is enabled from NJR encoders to Dante devices and from Dante device to NJR decoders.
 The NJR-AB08DAN can receive up to four audio streams from IP-NINJAR encoders and output up to eight channels in Dante protocol. The bridge can also accept up to 8-channel audio from Dante sources, outputting IP-NINJAR protocol in up to four audio streams.
 Audio can be set from the NJR-CTB (IP-NINJAR Management & Control Platform).

Please use this product with a combination of IP-NINJAR products. It cannot be connected to OPF or FDX series products.

■ Specification

Item		Description	
Input	IP-NINJAR network audio	1 input Format: IP-NINJAR protocol Sampling frequency: 44.1 kHz to 192 kHz, Sample size: 24 bit Maximum audio stream: 4 streams Maximum audio input channel: 8 channels Connector: 2 LCs	
	Dante network audio	1 input Format: Dante protocol Sampling frequency: 44.1 kHz to 192 kHz, Sample size: 24 bit Maximum audio input channel: 8 channels Connector: 2 RJ-45s (Primary/Secondary) (*1)	
Output	IP-NINJAR network audio	1 output Format: IP-NINJAR protocol Sampling frequency: 44.1 kHz to 192 kHz, Sample size: 24 bit Maximum audio stream: 4 streams Maximum audio output channel: 8 channels Connector: 2 LCs	
	Dante network audio	1 output Format: Dante protocol Sampling frequency: 44.1 kHz to 192 kHz, Sample size: 24 bit Maximum audio output channel: 8 channels Connector: 2 RJ-45s (Primary/Secondary) (*1)	
Cable for extension	IP-NINJAR network audio	Cable	Duplex fiber cable SFP+ optical transceiver
		Polishing (*2)	SFP+ optical transceiver for Multimode : PC polishing (recommended) SFP+ optical transceiver for Singlemode : UPC polishing (recommended), SPC *APC is not supported
		Transmission distances (*3)	Multimode fiber (OM3) : Up to 984 ft. (300 m) Singlemode fiber (OS1) : Up to 6.21 mi. (10 km) Singlemode fiber (OS1) : Up to 24.85 mi. (40 km, optional)
	Dante network audio	Cable	CAT.5E HDC, Cat5e UTP/STP, Cat6 UTP/STP, Cat6A UTP/STP
		Transmission distances	Up to 328 ft. (100 m)
General	AC adapter	Input : 100 - 240 VAC \pm 10%, 50 Hz/60 Hz \pm 3 Hz Output : DC 12 V 3 A (A dedicated AC adapter is provided)	
	Power consumption	About 10 Watts	
	Dimensions	8.3 (W) \times 1.2 (H) \times 3.9 (D)" (210 (W) \times 30 (H) \times 100 (D) mm) (Half rack wide, thin type) (Excluding connectors and the like)	
	Weight	1.5 lbs. (0.7 kg)	
	Temperature	Operating : 32°F to 104°F (0°C to +40°C) Storage : -4°F to +176°F (-20°C to +80°C)	
	Humidity	Operating/Storage: 20% to 90% (Non Condensing)	

*1 These RJ-45 connectors are only for Dante format.

*2 We do not recommend other polishing methods because it increases the return loss.

*3 The maximum extension distance is measured under the following conditions: Fiber that is polished by a recommended method is used; there is no interconnection; it does not exceed the allowable bending radius.

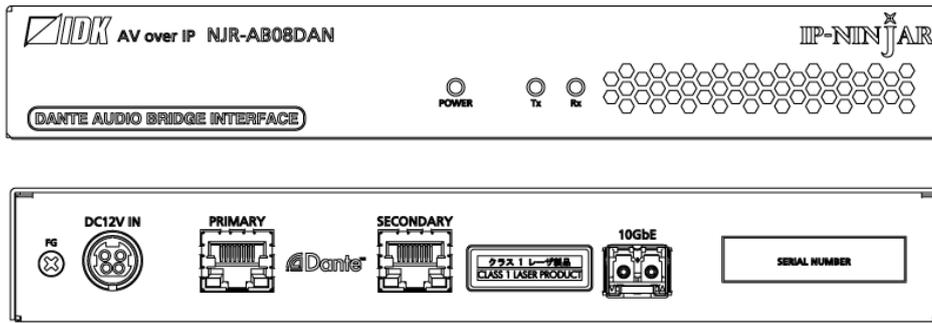
■ SFP+ Specification

Item	10G-MM-SFP	10G-SM-SFP	10G-SM40-SFP (Optional)
Fiber	Multimode fiber	Singlemode fiber	Singlemode fiber
Wave length	850 nm (VCSEL laser*)	1310 nm (DFB laser*)	1550 nm (EML laser*)
Max. transmission distances	OM3: 984 ft. (300 m)	OS1: 6.21 mi. (10 km)	OS1: 24.85 mi. (40 km)
Receiver sensitivity (OMA) @10.3Gbps	-11.1 dBm or higher	-12.6 dBm higher	-16 dBm higher
Average Launch Power	-5 dBm to -1 dBm	-8.2 dBm to +0.5 dBm	-1 dBm to +2 dBm
Max. input power	+0.5 dBm	+0.5 dBm	-1 dBm
Connector	LC (Duplex)		

* These lasers meet class1.

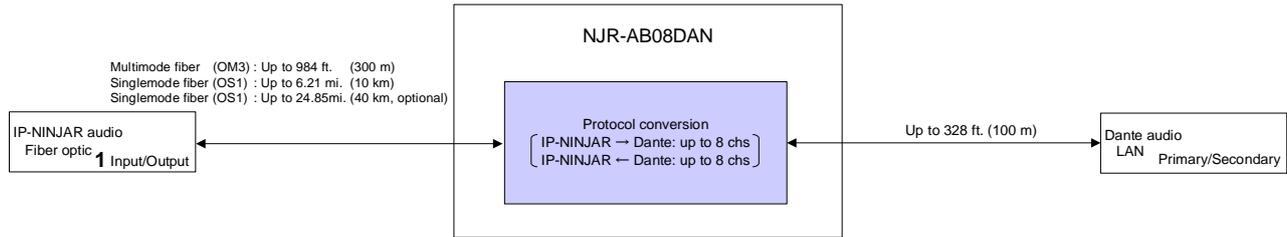
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■ Front & Rear Panels



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■ Diagram



[Features]

■ Audio

- Transcoding audio signal between IP- NINJAR and Dante protocols
- Receiving up to four (4) audio streams from IP-NINJAR encoders and outputting as Dante protocol up to eight (8) channels
- Receiving up to 8 channel Dante audio from Dante devices and outputting as IP-NINJAR protocol up to four (4) audio streams
- Dante audio can be embedded to HDMI signal at IP-NINJAR decoder
- Dante audio can be de-embedded to analog audio signal at IP-NINJAR decoder

■ Network

- Controllable through network using NJR-CTB