



# TERMINAL1010X

Audio DSP Multiprocessor

## Features

- Native Analog 10-in/10-out
- 6 PoE RAD+ Ports support RADs and DRs - adds 12-in/12-out, for a total 22-in/22-out
- Optional DANTE™ card adds 32-in/32-out on the network
- Online Wizard for quick-start using Halogen software
- Enhanced front panel control and monitoring

Analog I/O		Type	10 in x 10 out			
		ADC	High definition audio 24-bit, 48 kHz, DR 116 dB A-weighted			
		DAC	High definition audio 24-bit, 48 kHz, DR 116 dB A-weighted			
		Frequency Response	20 Hz - 20 kHz, + 0.1 dB			
Inputs	Condenser Mic Mode	Connection	(5) Euroblock connectors, 6 pins each, 3.81 mm pitch, green. Ships with strain relief plugs.			
		Type	Active balanced, microphone input mode with 48 V phantom power			
		Phantom Power	+ 48 V			
		Maximum Input	1 Vrms			
	Dynamic Mic Mode	Type	Active balanced, microphone input mode without phantom power			
		Maximum Input	250 mVrms			
		Input Impedance	2.5 k $\Omega$	Each leg		
	Line Mode	Type	Active balanced, line-level			
		Maximum Input	8 Vrms			
		Input Impedance	5 k $\Omega$	Each leg		
	Line+ Mode	Type	Active, left [+] & right [-] signals summed to mono			
		Maximum Input	8 Vrms			
Input Impedance		5 k $\Omega$	Each leg			
Outputs		Connection	(5) Euroblock connectors, 6 pins each, 3.81 mm pitch, orange. Ships with strain relief plugs.			
		Type	Active balanced, line output mode with active output transient muting			
		Maximum Output	8 Vrms			
		Impedance	300 $\Omega$	Each leg		
		Frequency Response	20 Hz - 20 kHz, + 0.1 dB			
DSP		Processing Power	>10,000 MIPS			
		Word Length	32-/64-bit Floating Point			
		Delay Memory	Min. 160 sec total			
Computer Interface		Type	Ethernet 1000 base-T	Zeroconf service discovery protocol for easy setup		
		Connection	RJ-45	Shielded Cat 5e cable or better		
		Length	300 ft. / 100 m	Standard Ethernet cable length limit		
RAD+ Ports		Connection	(6) RJ-45	Shielded Cat 5e cable or better		
		Audio Channels	2 in, 2 out	Each port, control channel, 24-bit, 48 kHz		
		Voltage	27 VDC	Each port		
		Power	12 W (peak) / 6 W (average)	Each port		
		Length	DR devices: 984 ft. / 300 m	RAD devices: 325 ft. / 100 m		
Universal Logic I/O		Connection	(1) mini-Euroblock connector, 6 pins, 3.81 mm pitch, black			
		Logic In	Internal Pull-Up	5 mA	Protected to +24 V, reverse-polarity-protected	
			Vin High	> 2.2 V	Normal state	
			Vin Low	< 1.0 V		
		Logic Out	Open Collector Output	Source 5 mA, Sink 200 mA	Protected to +24 V, reverse-polarity-protected	
			Vout High	> 2.2 V		
			Vout Low	< 0.2 V		

Universal Logic I/O	Ratiomatic Input	Input	0-5 V	
		V+	40 mA	
		Resolution	8-bit at 2 kHz sample rate	
Expansion Port	Types	Rane Expansion Bus	512 x 512, 48 kHz digital audio plus control. Up to 32 Halogen Expansion Devices	
		Dante card (optional)	32 x 32 with sample-rate conversion, allowing 96 kHz sample rate Dante flows	
	Connection	RJ-45	Shielded Cat 5e cable or better	
	Maximum Length	300 ft. / 100 meters		
Power	Connection	IEC		
	Voltage	90-260 VAC, 50/60 Hz		
	Consumption	70 W		
	Output	28 V		
Unit	Wiring	Class 2	Rear-panel terminals	
	Operating Temperature	32-104°F, 0-40°C		
	Fan	10 CFM, low noise (<20 dBa), long life (60k hours at 45°C)		
	Dimensions	19.0" x 8.25" x 1.73"		
		48.3 x 20.9 x 4.4 cm	Width x depth x height	
Weight	7.0 lbs., 3.2 kg			



**(61) 3051-5800**

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