Modular digital audio routers

128x128 digital audio 5RU modular router

The Modular AD128128 router is part of the VikinX Modular products range, offering up to 128x128 digital audio X-points. It provides fully hot-swappable architecture, built-in dual redundant power supply and fully redundant controller functions. Starting with the 64x64 size, the router can be expanded under operation with 64x64 increments. Advanced control features like TCP/IP interface and SNMP agent are available via the Multicon monitoring and control system.

Key features

- Low OPEX
- Low carbon footprint
- Extensive third-party support
- Easy configuration

3MXXLRF-25PIN — Cable

Audio breakout cable
DB25 PIN XLRF,
3 meter cable

3MXXLRM-25PIN — Cable

Audio breakout cable
DB25 PIN XLRM,
3 meter cable

DB25PIN — Adaptor

Small print-card with DB25 to screw-terminal

Ordering options

12159 AD6464M	64x64 Digital audio expandable 5RU modular router with single power supply and Multicon VX-MOD
11707 AD128128M	128x128 Digital audio fully equipped 5RU modular router with single power supply and Multicon VX-MOD
11543 3mxXLRF-25pin	DB25pin XLRF, 3m cable.
11546 3mxXLRM-25pin	DB25pin XLRM, 3m cable.
11071 DB25PIN	Small print-card with DB25 to screw-terminal.

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Power supply

Built-in, redundant power supply. 1 module included, 1 (redundant) optional.	
Total power consumption	<300W
AC Supply voltage range	90 – 130VAC/180 – 254VAC, switchable, 50 – 60Hz, 300W
AC Mains connector	IEC 320, separate input for each PSU module
Alarms	Power failure alarm on relay contact closure, LED in front, and open collector
Alarms connector	RJ45

Control

Serial ports	RS232/RS422 for protocol conversion, to VikinX compact control protocol, or to third-party protocols. (1x per Multicon VX-MOD card)
Connector	DB9, female
Ethernet ports	10/100 Base-T Ethernet bus for external router control with new protocol. (1x per Multicon VX-MOD card)
Connector	RJ45
Monitored parameters (via Multicon VX-MOD)	Module temperature Internal module voltages
Status surveillance	On each card with LED, and via system controller.
Configuration storage	Removable compact flash card
Synchronization	Analog Black Burst, Looped. Both PAL and NTSC supported Tri-Level, Looped. For HD signal formats only
Connector	BNC
Other features	
SNMP agent, included with Multicon VX-MOD.	
Optional features	
Redundant control	
Redundant Matrix Control using 2x Multicon VX-MOD	

Electrical signal inputs

Type	Transformer balanced
Connector	DB25 female
Impedance	110 Ohms
Signal level	>0.2 – 7Vpp

Electrical signal outputs

Type	Transformer balanced
Connector	DB25 female
Impedance	110 Ohms

Performance

Sampling rates	32 – 96kHz
Switching mode	Asynchronous
Jitter	Typical 800ps

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