

- ✓ Optimum cooling solution for the V2000
- ✓ Simple 19" rack installation
- ✓ Intelligent and automatic control
- ✓ Clear LED status indication
- ✓ An integrated part of the Zenitel EN 54-16 certified PAVA system



RAK-FAN-01

PAVA Fan Tray for the V2000

The RAK-FAN-01 is a 1U rack-mount fan tray specifically designed to work with the RAK-DUCT-01, providing effective cooling for stacked V2000 amplifier frames housed within a single cabinet. Installed beneath the lowest V2000 unit, the fan circulates air upward through the chassis ventilation slots, while the RAK-DUCT-01 guides airflow through the entire amplifier stack to ensure efficient heat dissipation.

For critical Voice Alarm applications, the fan tray must be powered by a battery-backed supply to guarantee continuous operation. To optimise energy usage, fan activity is automatically managed via a thermal switch assembly or controlled through VIPEDIA contact outputs.

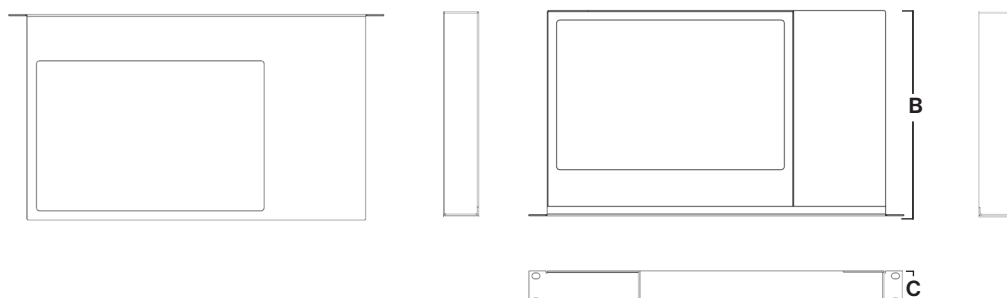
The front panel includes LED indicators for power and fan status, enabling straightforward and safe system monitoring.

For further guidance on PAVA system design and thermal management best practices, please consult the Zenitel System Design Guide.

MECHANICAL

Views & Dimensions

Dimension		
A	Width	483 mm
B	Depth	263.6 mm
C	Height	44.4 mm



SPECIFICATION

Power Supply

Supply Voltage Range	20 –276V DC
Current Consumption (Max.)	1.1A

General

Control Option	Contact driven or supplied thermal switch assembly
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LED Indicators

Power	Green
Fans Operational	Blue

Mechanical

Dimensions (H x W x D)	44.4 x 483 x 263.6 mm
Weight	2.4 kg

Environmental

Temperature (Operating)	-10°C to +55°C
Temperature (Storage)	-20°C to +55°C
Humidity Range	0% to 93% Non-condensing
Ingress Protection	N/A

Approval and Standard Compliance

Voice Alarm	EN 54-16
Railway Applications	EN 50121-4
Low Voltage Directive (Safety)	EN / UL / IEC 62368-1
Electromagnetic Compatibility Directive (Emissions & Immunity)	EN 55103-1 / EN50130-4
Environmental Directive (Emissions)	EN 55032 / EN 6100-6-2 / EN 6100-6-3 / EN 6100-6-4 / FCC-47 part 15B Class A
Environmental	RoHS / REACH
Conformity Europe	CE / CPR / UKCA

Compatible Hardware

V2000 / V2000-r2	Voice Alarm Amplifier Mainframe
RAK-DUCT-01	Cooling duct for use with the RAK-FAN
VIPEDIA-12-NET / VIPEDIA-12-PRO	Voice Alarm DSP Audio Router

Part Codes

RAK-FAN-01	V2000 Fan Tray
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Note:

RAK-FAN-01 must be used in conjunction with the RAK-DUCT-01.
Please refer to the system design guide for further information