SA-R-W

SA-R-PCM/W

SA-R-W-EU

Multi Service Platform

USER MANUAL

Version	1.1
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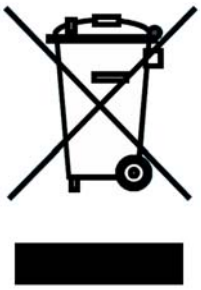
VERSION CONTROL

Version	Date	Major changes to previous version
1.0	15.04.2005	Initial version
1.1	14.09.2005	Implemented EN50419

EU Directive 2002/96/EC and EN50419



This equipment is marked with the above recycling symbol. It means that at the end of the life of the equipment you must dispose of it separately at an appropriate collection point and not place it in the normal domestic unsorted waste stream. (European Union only)

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1 GENERAL

1.1 Introduction / Description

The AccessGain Multiservice platform can be deployed as either IP DSLAM and/or as TDM platform. When used as an IP DSLAM, the AccessGain Multiservice platform is utilized to provide services such as xDSL, SHDSL, ADSL, ADSL2/ADSL2+ and E1/T1 over Ethernet (TDMoIP). When used as a TDM platform, the AccessGain Multiservice platform is used to provide a variety of digital services, including SHDSL, E1, and analog voice over copper lines as well as four E1s over optical fiber.

The chassis provides various network interfaces such as Fast Ethernet with physical copper or fiber optic interface and/or up to 24 E1/N64 (V.35, V.36, X.21) interfaces or a mix of assorted Interfaces, while providing circuits to interface with up to 52x 2-wire loops to the customer premises equipment.

1.2 Precaution

WARNING:

INCORRECT USE OF THIS DEVICE, USE IN ANY OTHER ENVIRONMENT OR MEAN AS DESCRIBED IN THIS DOCUMENT, MIGHT LEAD TO HARMFUL CONDITIONS. FAILURE TO FOLLOW THESE PRECAUTIONS MAY RESULT IN DEATH, SEVERE INJURY OR PROPERTY DAMAGE.

S-ACCESS GMBH REFUSES NEITHER TAKING ANY RESPONSIBILITY, NOR GRANTING ANY WARRANTY IN SUCH CASE!

CAUTION:

SUBJECT TO ELECTROSTATIC DAMAGE OR DECREASE IN RELIABILITY. HANDLING PRECAUTIONS REQUIRED.

Electronic modules can be damaged by static electrical discharge. Before handling modules, wear an antistatic discharge wrist strap to prevent damage to electronic components. Place modules in antistatic packing material when transporting or storing. When working on modules, always place them on an approved antistatic mat that is electrically grounded. To prevent electrical shock, do not install equipment in a wet location or during a lightning storm.

2 INSTALLATION

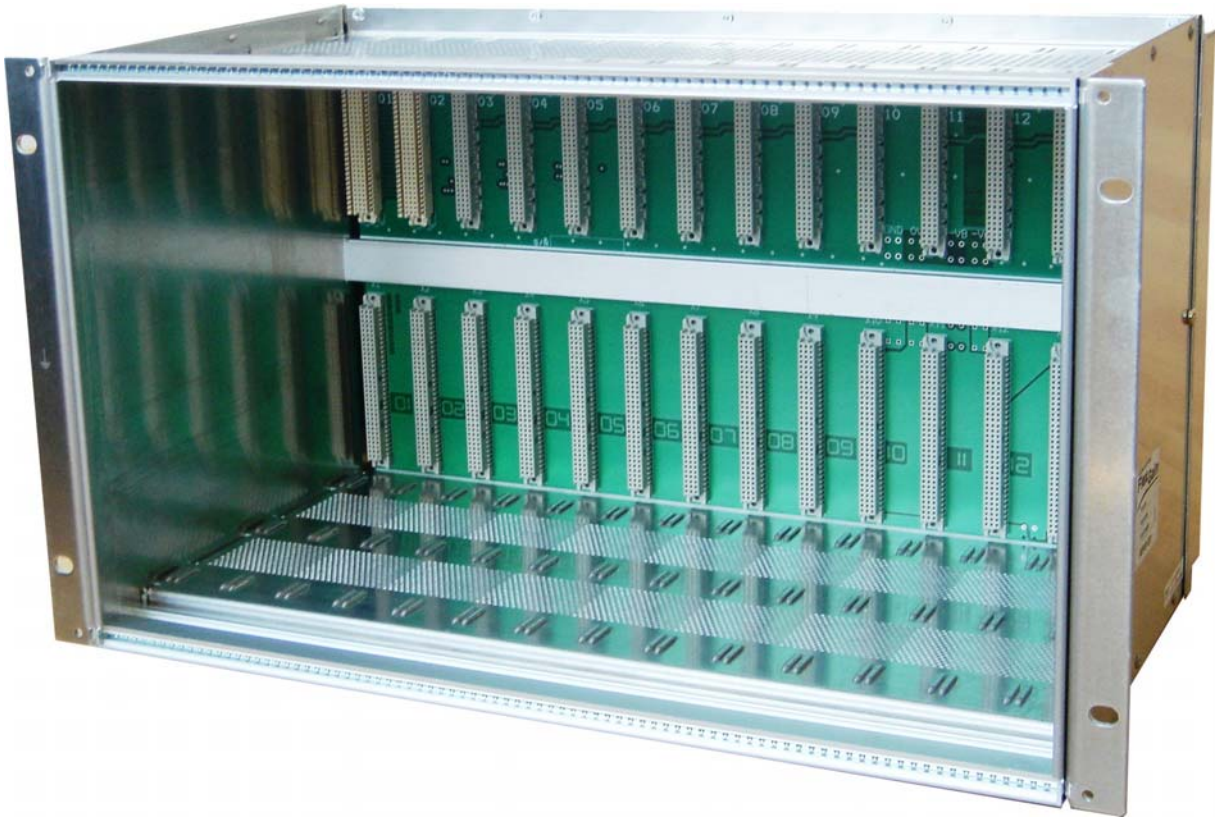
2.1 Unpacking and Inspecting the Chassis

Each AccessGain Multiservice platform is shipped in its own cardboard shipping carton unless it was ordered differently. Cartons need to be opened carefully. After pulling the chassis out of the carton, the foam endcaps need to be removed and the chassis needs to be slipped out of the cardboard shipping sleeve. After unpacking, the unit needs to be inspected for damage. If damage is found immediately contact your AccessDSL dealer. For more information, refer to AccessDSL's International Warranty Terms.

2.2 Mounting Bracket Orientation

The AccessGain Multiservice platform mounts in a standard 19" wide or ETSI standard rack. The chassis measures 439 mm in width, 266 mm in height, and 248 mm in depth, and weighs 3.6 kg (net).

The chassis comes with mounting brackets that can be mounted with the flanges for 19" (482 mm wide) or ETSI (533 mm wide) racks. For this purpose, mounting brackets can easily be turned in order to fit to 19" or ETSI standard racks.



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3 DATA AND POWER CONNECTIONS

The AccessGain Multiservice platform is based on front access architecture. All power, data, and network connections will be performed from the front of the chassis to its respective subrack module.

The platform receives its power by a power supply module (SA-ACU-SR) that acts as a redundant power source with nominal -48VDC (-32VDC to -72VDC). The power connection is achieved through a three pin DB like power connector, which is included in the power module package (refer to Figure 1 below). The power module is supposed to be hosted in the first or second slot of the chassis (from the right) and occupies a single slot. Unplugging the power module while in operation will lead to an interruption of the complete platform.

For further information on the individual data, power, and network modules refer to the respective user manuals.

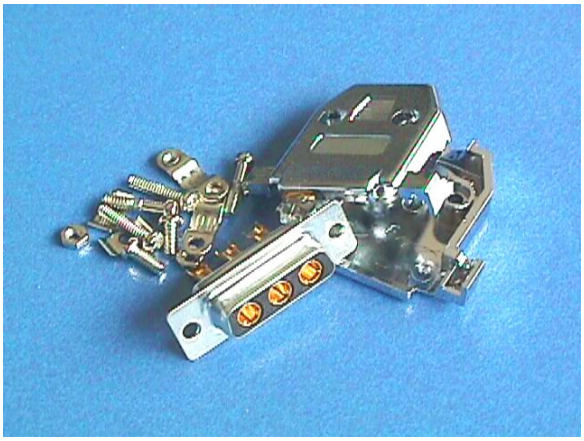

Figure 1: Power connector, included in SA-ACU-SR

4 NETWORK MANAGEMENT

The AccessGain Multiservice platform can be managed through a local console port via the power supply module (SA-ACU-SR). Optionally a comprehensive management module (SA-TCU-SR, SA-CMU-SR, V2) can be deployed for Telnet and SNMP management (this will only be needed if you use other than Ethernet cards and you like to get the Telnet/SNMP feature). The management module can be plugged into free slot of the chassis and occupies a single slot. Unplugging or failure of the management module while in operation does not have an effect on the platform's main functionality.

For further information on the management module (SA-TCU-SR, SA-CMU-SR, V2) refer to the respective user manual.

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5 SPECIFICATION

Dimension	
Number of Slots	Total: 14 Slots 1 Slot for Power Supply (Slot 1 or 2 from right) 1 Management or special Network Interface module (Slot 1 or 2 from right) 12/14 Data and Network line cards (Slot 1 – 12/14)
Power Supply Module	SA-ACU-SR (For specification refer to respective user manual)
Management Module	SA-TCU-SR or SA-CMU-SR, V2 (For specification refer to respective user manual)
Power Dissipation	
Operating Temperature Range	-20° to +80°C
Stocking Temperature Range	
Standards	CE, EN 60950

6 DIMENSIONS

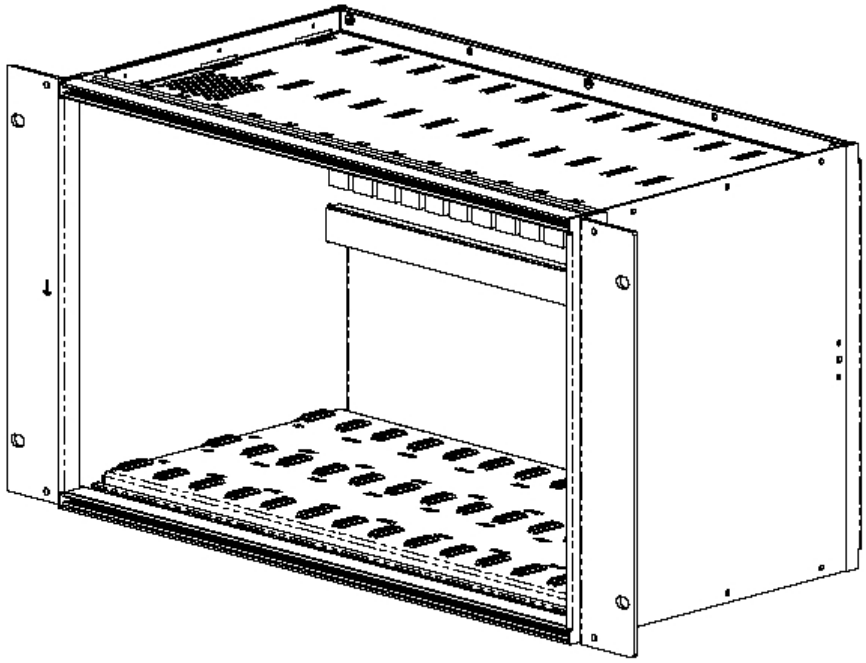

Figure 2: SA-R-W perspective with upper backplane

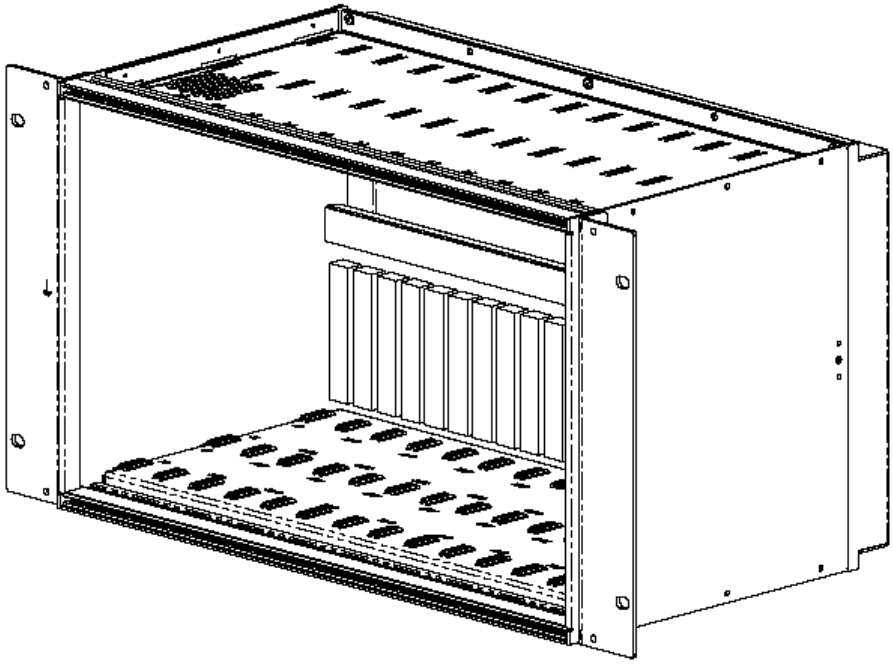

Figure 3: SA-R-PCM/W perspective with upper and lower backplane

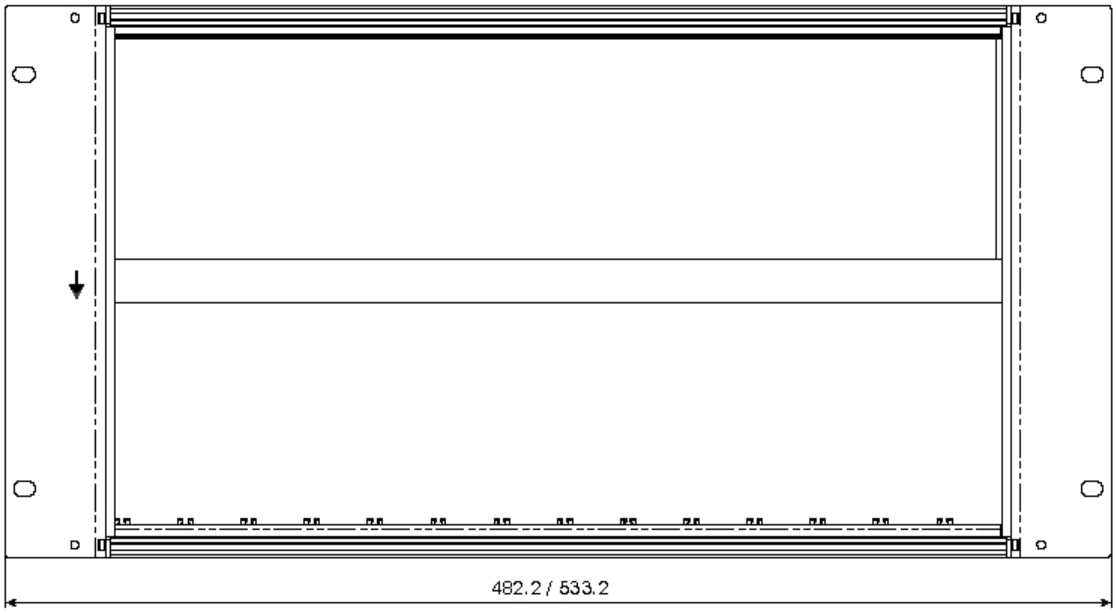

Figure 4: SA-R-W respectively SA-R-PCM/W front view

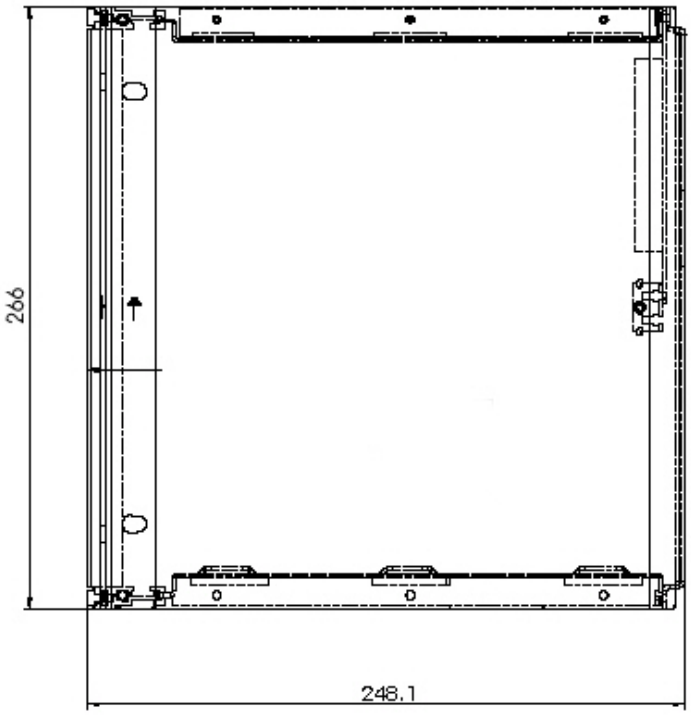

Figure 5: SA-R-W respectively SA-R-PCM/W (right) side view

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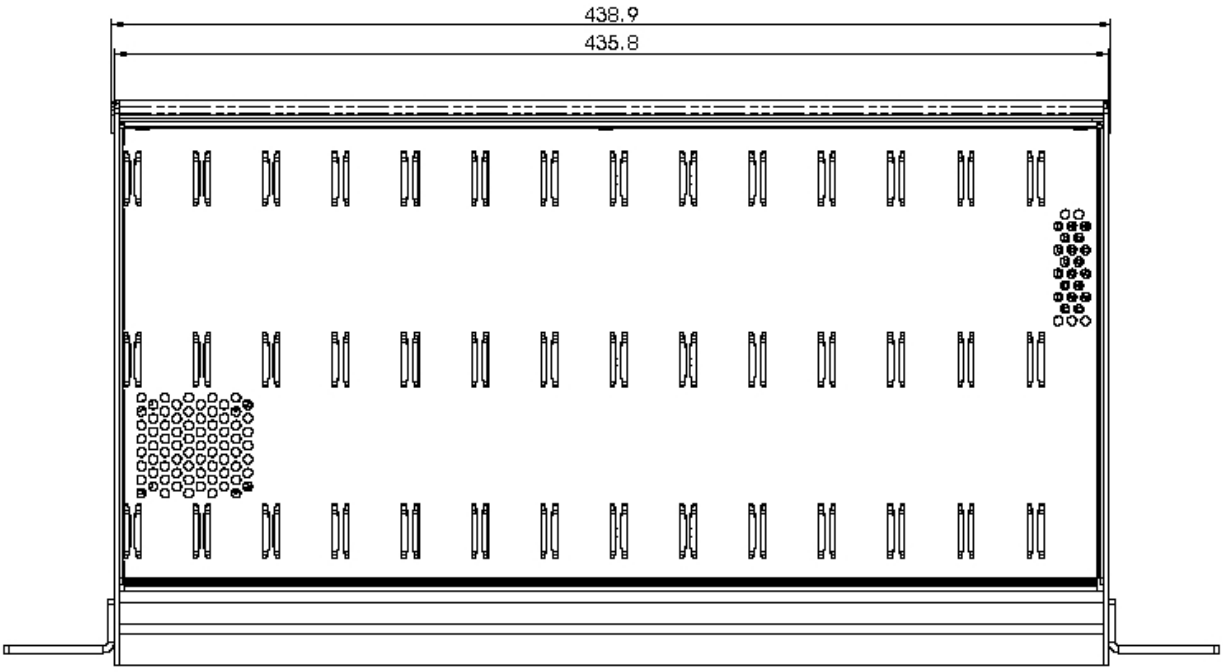

Figure 6: SA-R-W respectively SA-R-PCM/W (right) side view

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7 COOLING TRAY (OPTIONAL)

If the chassis is installed in a rack with limited cooling and/or if a number of chassis are deployed on top of each other it is necessary to add a passive cooling tray in order to prevent single devices from overheating.

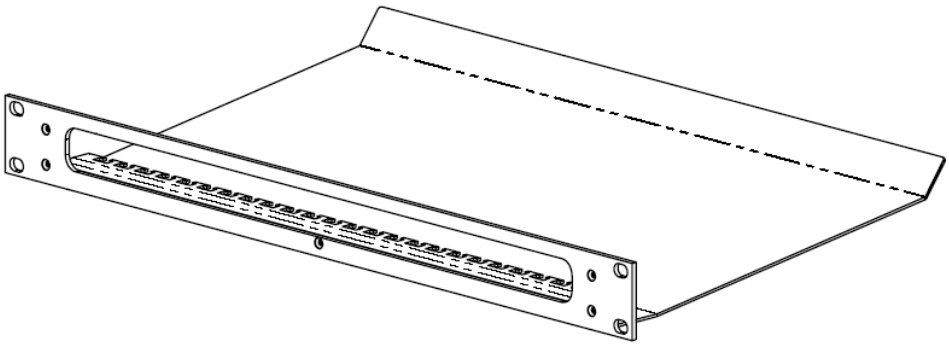

Figure 7: Passive cooling tray for SA-R-W respectively SA-R-PCM/W

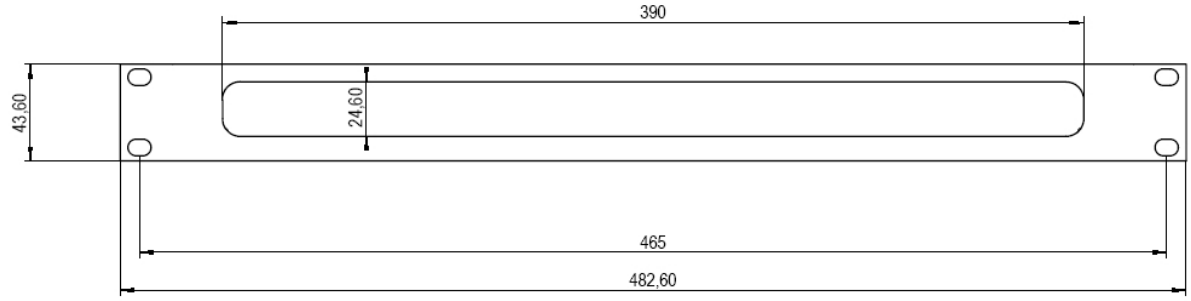

Figure 8: Passive cooling tray dimensions (front view)

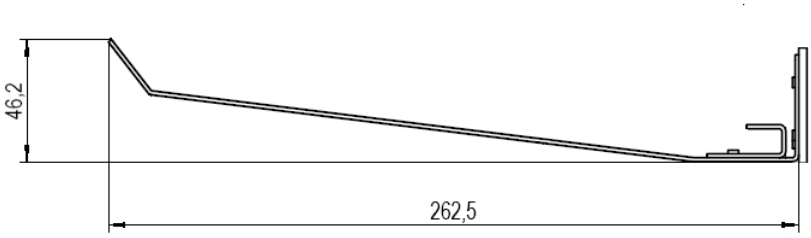

Figure 9: Passive cooling tray dimensions (side view)

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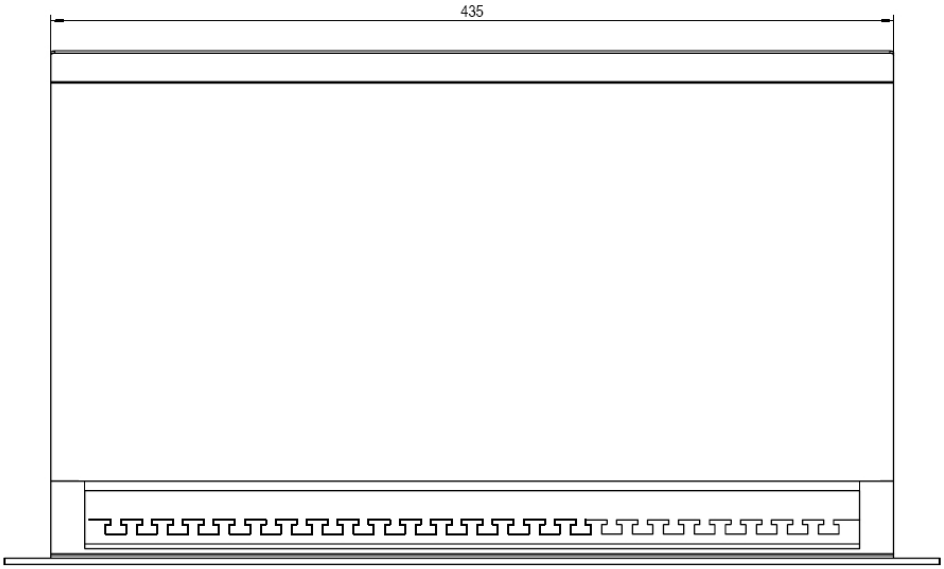

Figure 10: Passive cooling tray dimensions (top view)

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