

Apalis Heatsink Fan V1.1A

Datasheet



Revision History

Date	Doc. Rev.	Apalis Heatsink Fan	Changes
12-April-2021	Rev. 1.0	V1.1A	Initial Release
30-April-2021	Rev. 1.1	V1.1A	Updated fan pictures
03-May-2021	Rev. 1.2	V1.1A	Updated picture with fan mounted on heatsink

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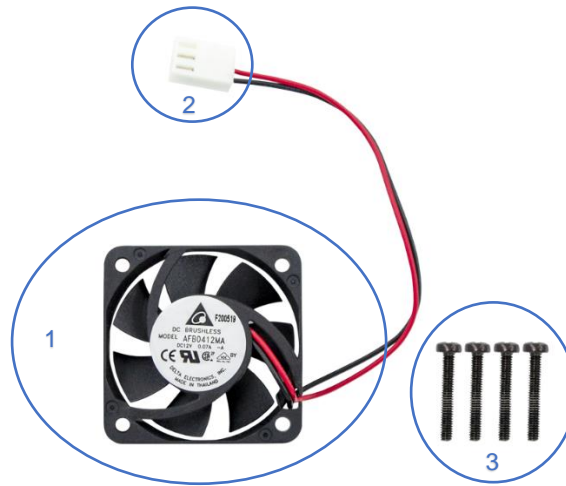
1. Product Description

The Apalis Heatsink Fan V1.1A fits on any Apalis Heatsink product. It is an evaluation product only. Toradex does not provide any long-term availability guarantee. Its intention is to provide customers with a ready-to-order fan, compatible with Apalis carrier boards and heatsinks, to evaluate and develop products using Toradex Apalis System on Modules. Toradex didn't execute any long-term or stress tests with this product.

1.1 Components

The Apalis Heatsink Fan V1.1A is built using:

1. Fan Delta Electronics AFB0412MA-A (<https://www.deltaww.com>).
Datasheet: <https://docs1.toradex.com/109414-afb0412ma-a.pdf>
2. Connector: KK 254 Crimp Housing, Friction Ramp with Polarizing Ribs, 3 Circuits, e.g. Molex 0022013037
Compatible with the Apalis Evaluation Board and Ixora Carrier Board
3. 4x screws M2.5x16
Compatible with all Apalis Heatsink Types



1.2 Product specification

Description	Value
Speed	5000 RPM
Input voltage	12V (7V to 13.8V)
Operating temperature	-10°C to 70°C
Cable length	120mm

For more details, please check the original fan datasheet linked in section 1.1 above.

1.3 Pinout

Pin	Signal Name	Description
1	GND	GND (Black wire)
2	PWR_IN	12V (Red wire)
3	NC	Not connected

2. Fan Mounting

The heatsink fan can be mounted on top of each Apalis heatsink type using the four screws which are part of the Apalis Heatsink Fan product.



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