SINGULARITYCOMPUTERS

FANGUARDIAN
POWERBOARD CONTROLLER

MANUAL
Revision 1.1

Features

- Control ARGB lighting colors and effects/functions.
- Monitors RPMs, Temperatures and Voltages.
- Inbuilt Ambient Temperature Monitor.
- Low RPM Alert feature.
- Temperature based lighting control.

Specifications

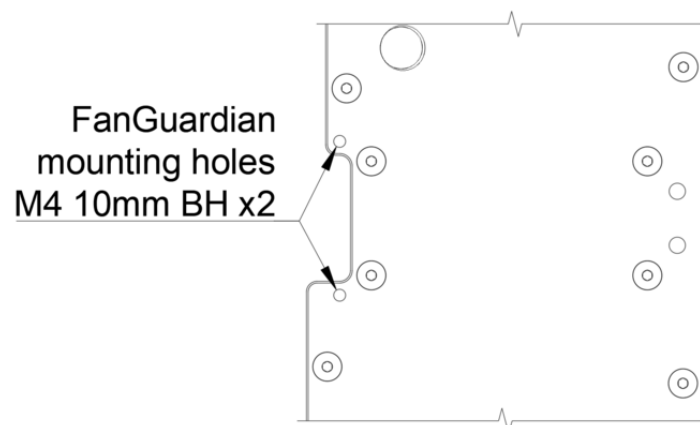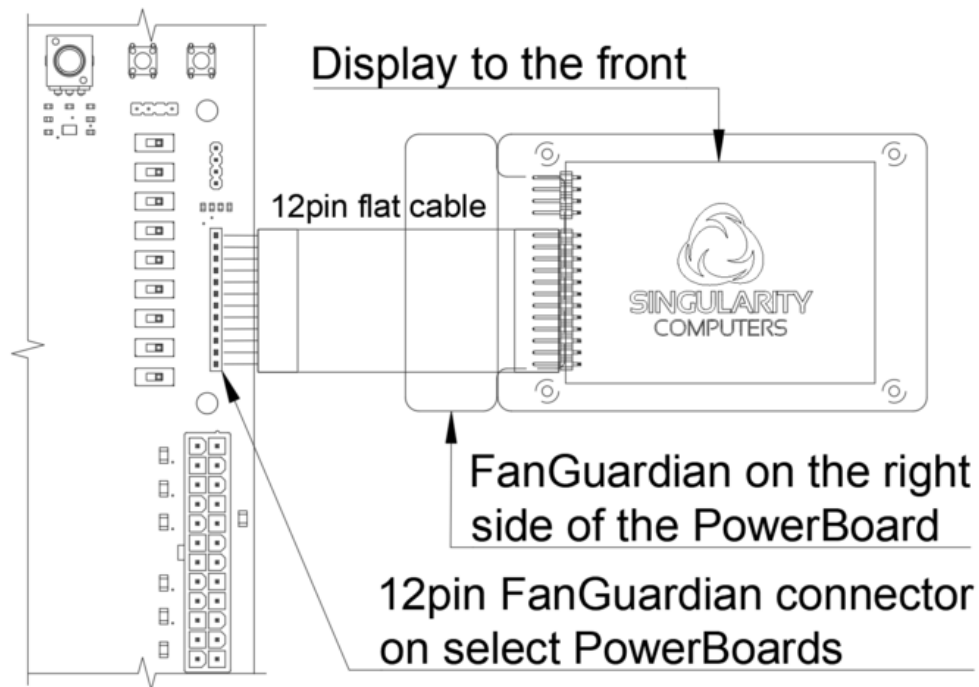|	
Included	• Fanguardian PowerBoard Controller. • 3.5" Capacitive Touch LCD. Resolution 480⁄320. 60mmx92mmx10.8mm.
Cables	Black cable to connect FanGuardian PowerBoard Controller to the PowerBoard.
Electronics Integration	12pin flat cable x1 10K NTC temperature sensor header x2 USB-C x2 (for firmware update).
Product Dimensions	L: 70mm x W: 100mm x H: 30mm.
Product Weight	0.2kg.
Packaged Dimensions	L: 100mm x W: 130mm x H: 50mm.
Packaged Weight	0.3kg.
Compatibility	• Spectre 4 all versions including Aevum, Enterprise and Quantum. • Stream M All Versions. • PowerBoard 360mm Universal. • SC Test Bench. • SC Rack Case.

Installation

Spectre 4 & Stream-M

Installation on Spectre 4 all versions and Stream-M is the same. There are two bolts which can be removed from the distribution plate near to where the connector is for the FanGuardian on the PowerBoard. Included with your FanGuardian are M4 28mm x2 Fasteners which can then be used to mount the FanGuardian.

Mount on PowerBoard Universal 360mm Distribution Plate

Use the mounting holes marked in the diagram to mount the FanGuardian onto the PowerBoard Universal 360mm Distribution Plate.

On all other products the FanGuardian can be mounted with adhesive wherever desired.
See the diagram below for the mounting orientation for the FanGuardian, Cable and Connector.

Display to the front

12pin flat cable

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FanGuardian on the right
side of the PowerBoard

12pin FanGuardian connector
on select PowerBoards

Firmware Updates

To update the firmware the FanGuardian needs to be connected to your PC via a Type C cable. The latest firmware can be downloaded here.