be quiet!

be quiet! Light Base 500 LX

Lab ID BQCAS00161

Report ID: 2855

Report Date: Oct 17, 2025

Entry Report Date: Sep 19, 2025

Scheme: DELTA

Noise Rating 

DELTA is a Cybenetics rating. It is not part of our ISO/IEC 17065 certification schemes and is outside our accreditation.

Level assigned with the Chassis Test Protocol Revision 2.0 limits

This chassis was tested before October 2026 with the earlier test procedure. Its result, 8.9 dB, is the measured pink-noise difference of that evaluation and is unchanged. In October 2026 its level was assigned again with the limits of Chassis Test Protocol Revision 2.0: A+ from 8 dB, A from 5 dB, Standard from 2 dB. The earlier procedure is not identical to the Revision 2.0 procedure, so this result is indicative when compared with chassis tested under Revision 2.0.



Aristeidis Bitziopoulos, Certification Body General Manager

General Information

Test Equipment

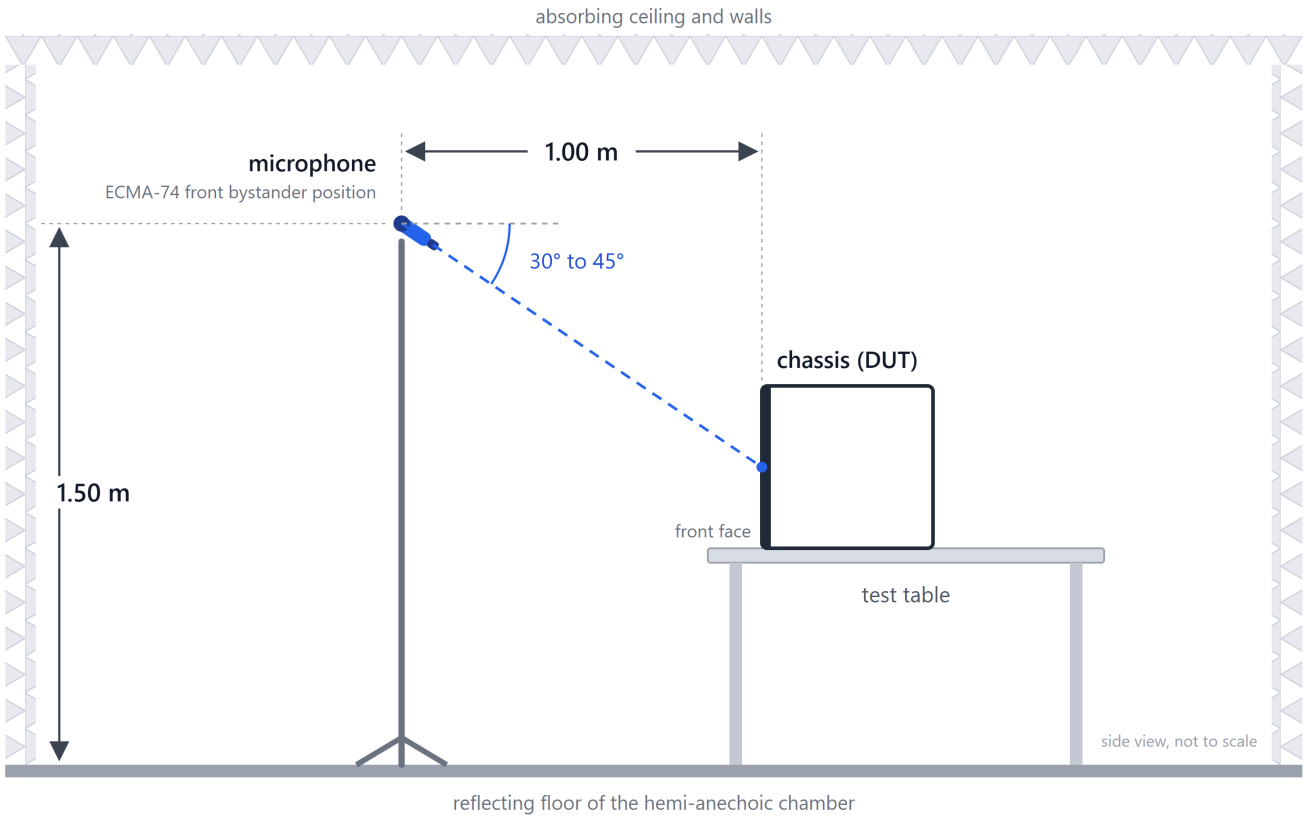
Test Environment	Hemi-Anechoic Chamber with 6 dB(A) noise floor
Conditions	25(±2) degrees Celsius, 40-50% humidity
Sound Analyzer	Bruel & Kjaer 2270-S G4 & 2250-L G4
Microphone	Bruel & Kjaer Type 4955-A
Mic Calibrator	Bruel & Kjaer Type 4231
Data Logger	Picoscope TC-08

Technical Specifications Table

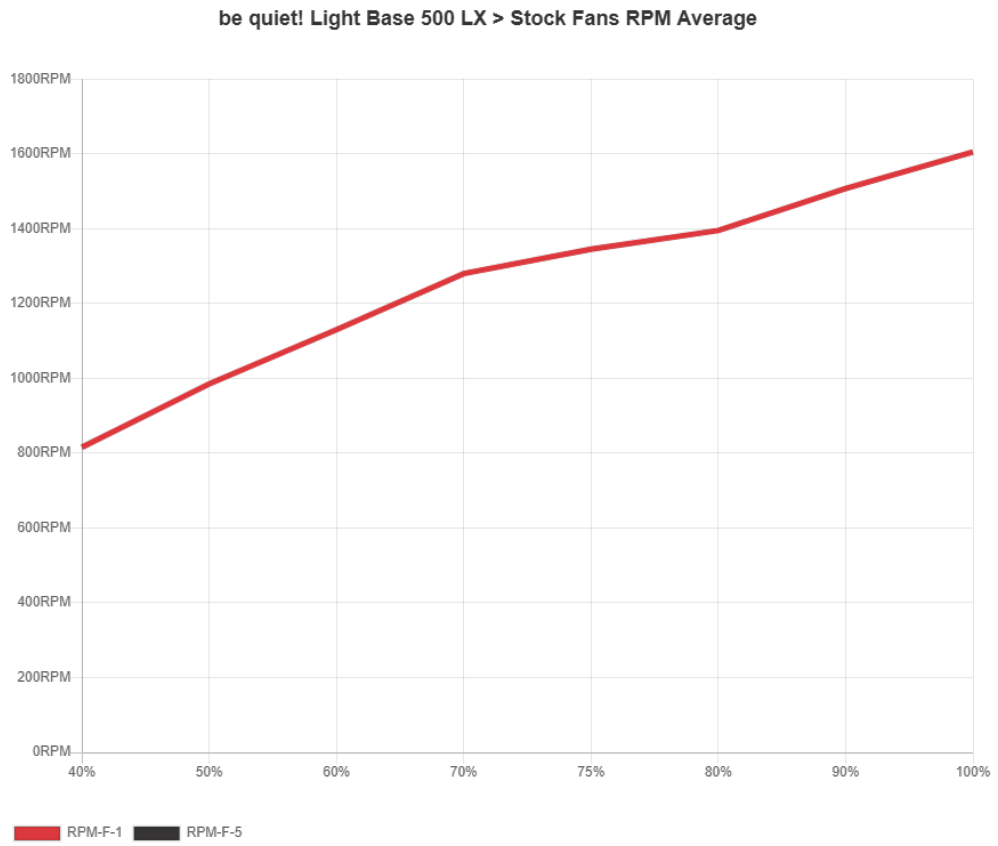
Brand	be quiet!
Product Name	Light Base 500 LX
Type	Midi Tower, Dual Chamber
Dimensions (LxWxH)	430 x 301 x 436mm
Motherboard Support	Mini-ITX, Micro-ATX, ATX (with BTF support)
Removable Motherboard Tray	No
Front Cover	Tempered Glass
Materials Body	Steel, Plastic, Tempered Glass
Materials Side Panel	**Left:** Tempered Glass **Right:** Steel
Expansion Slots	7x
Drive Bays	**5.25":** - **3.5 " :** 2x Internal (1x occupied by Fan Hub) **2.5" :** 2x Internal
I/O Panel	1x USB 3.1 Gen 2 Type-C, 1x USB 3.0, 1x Audio Jack, 1x Mic Jack, 1x Power Button, 1x ARGB Button
Pre-installed Fan(s)	**Side:** 3x 120mm **Rear:** 1x 120mm
Fan Support	**Side:** 3x 120mm **Top:** 3x 120mm / 2x 140mm **Bottom:**3x 120mm **Rear:** 1x 120mm / 1x 140mm
Fan Bearing Type	Rifle
Fan Power Connector	Proprietary/PWM
LED Controller	Yes
Radiator Support	**Top:**120 / 240 / 360mm **Rear:** 120 / 140mm
CPU Cooler Height (Max)	170mm

VGA Length (Max)	410mm
PSU Length (Max)	200mm
Behind MB Tray Clearance/Cable Management Support	19-23mm
Dust Filters	Side, Bottom
PSU Support	Bottom Mount, ATX
Weight	9.5 kg
Warranty	3-years

Noise Measurements Test Set Up



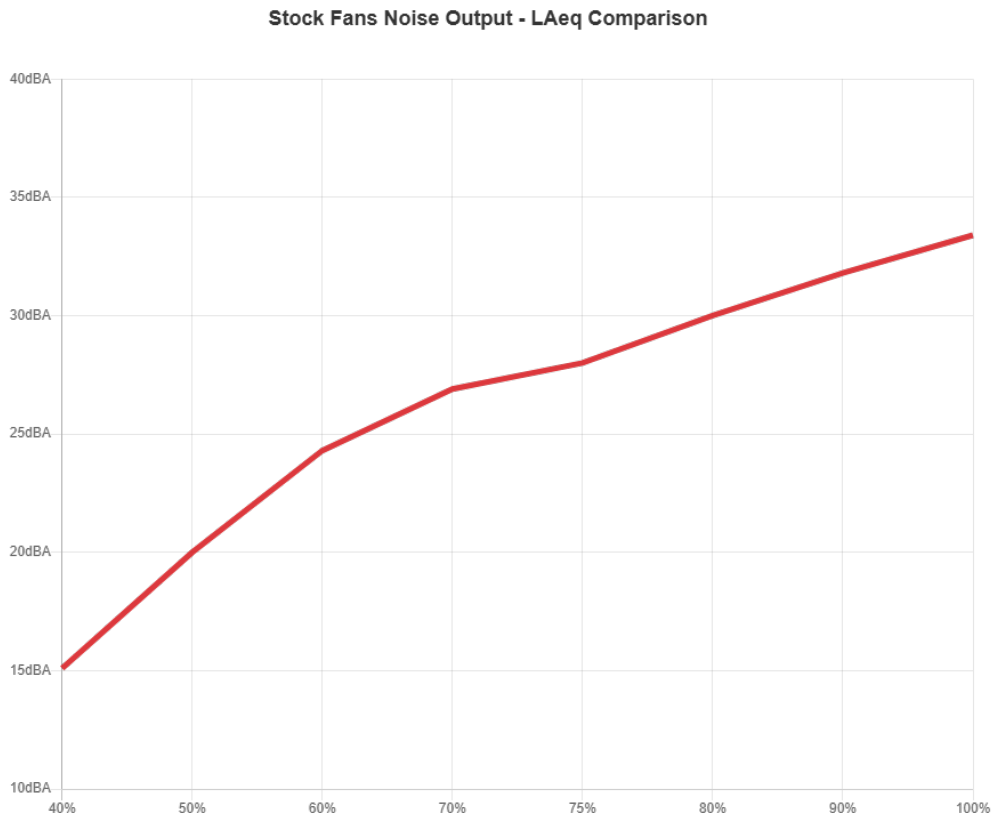
Stock Fan(s) RPM



INFO

Stock Fan Speed from 40% to 100%

Stock Fan(s) Noise Output – LAeq

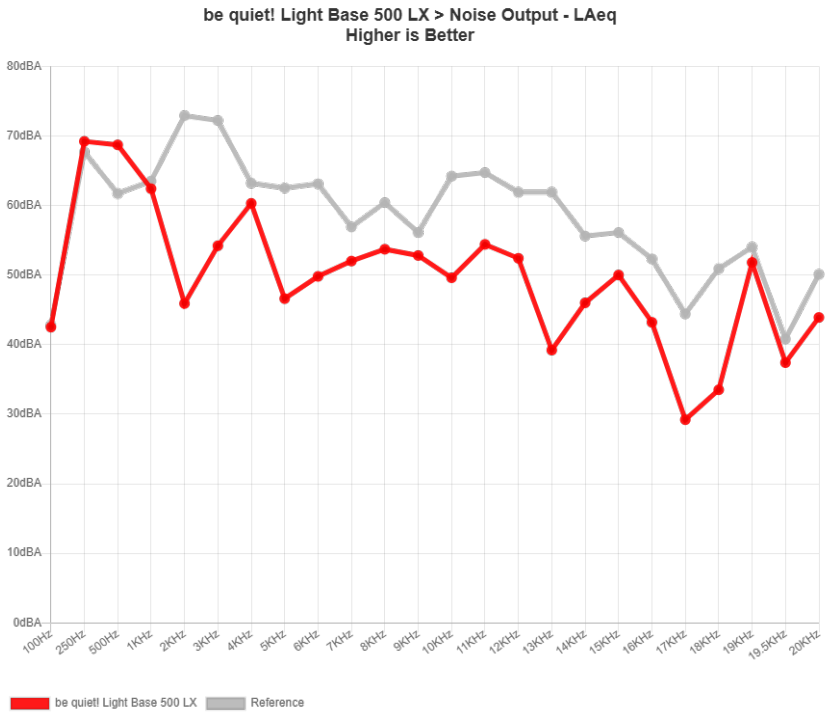


INFO

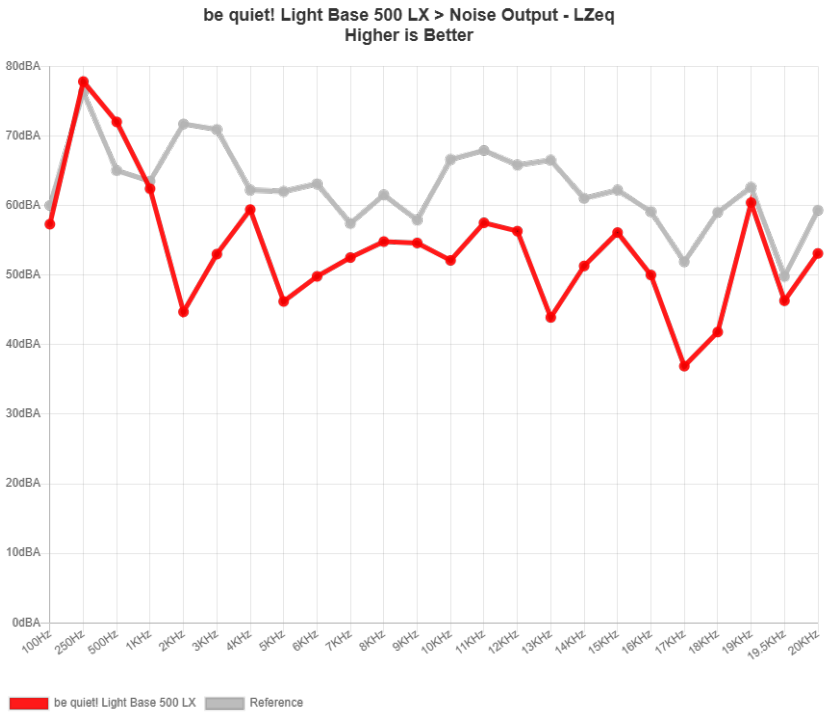
Stock Fan Noise Output from 40% to 100%

Noise Output

LAeq

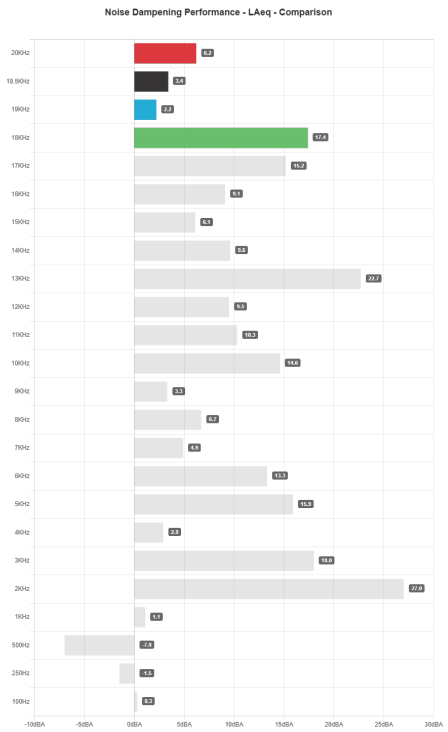


LZeq

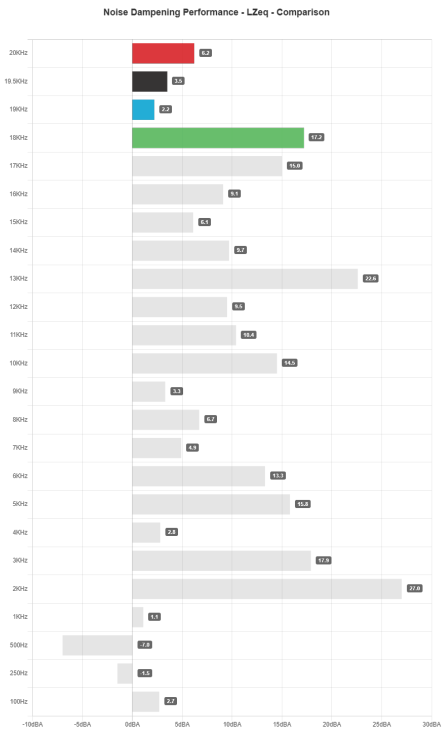


Noise Dampening Performance – Test Tones

LAeq

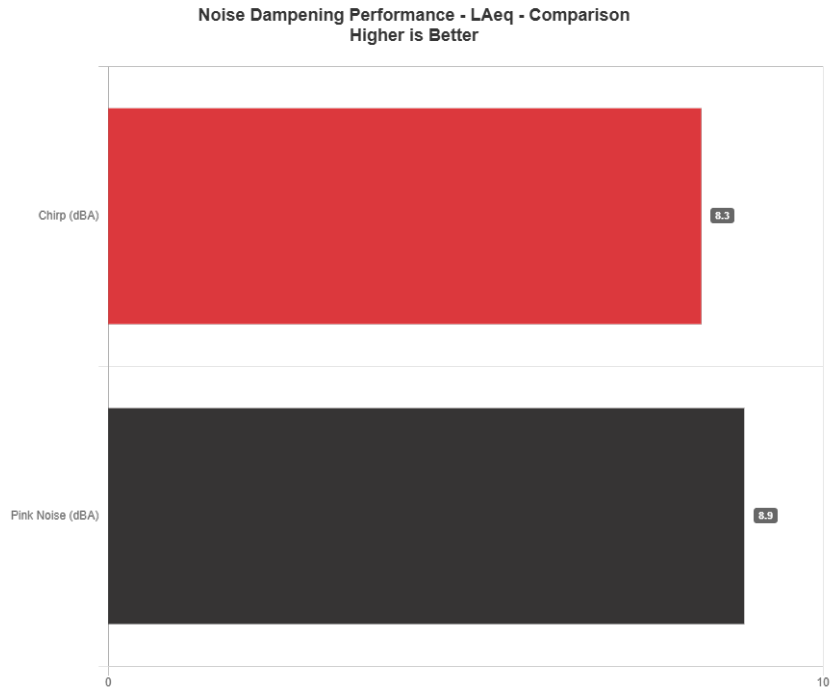


LZeq

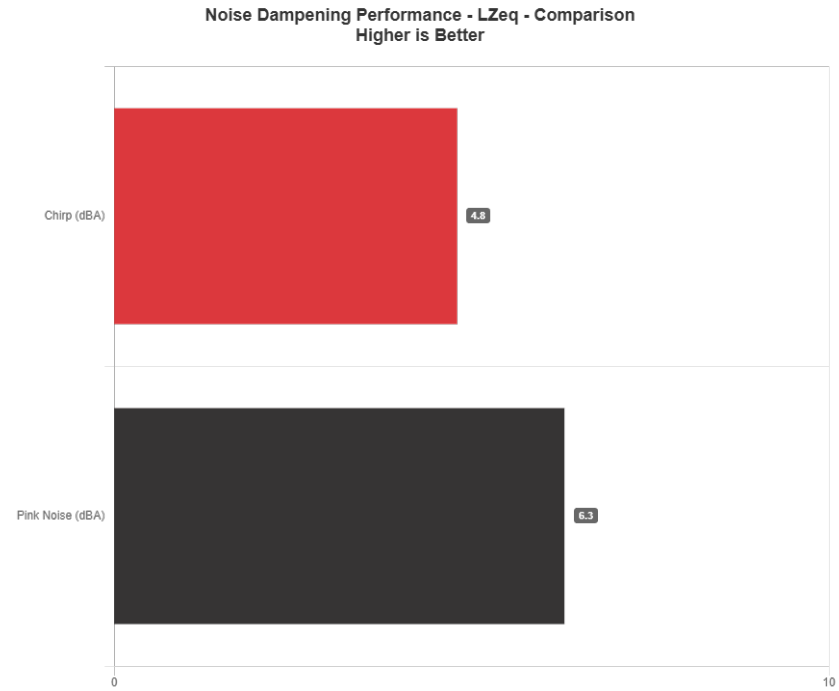


Noise Dampening Performance – Pink & Chirp

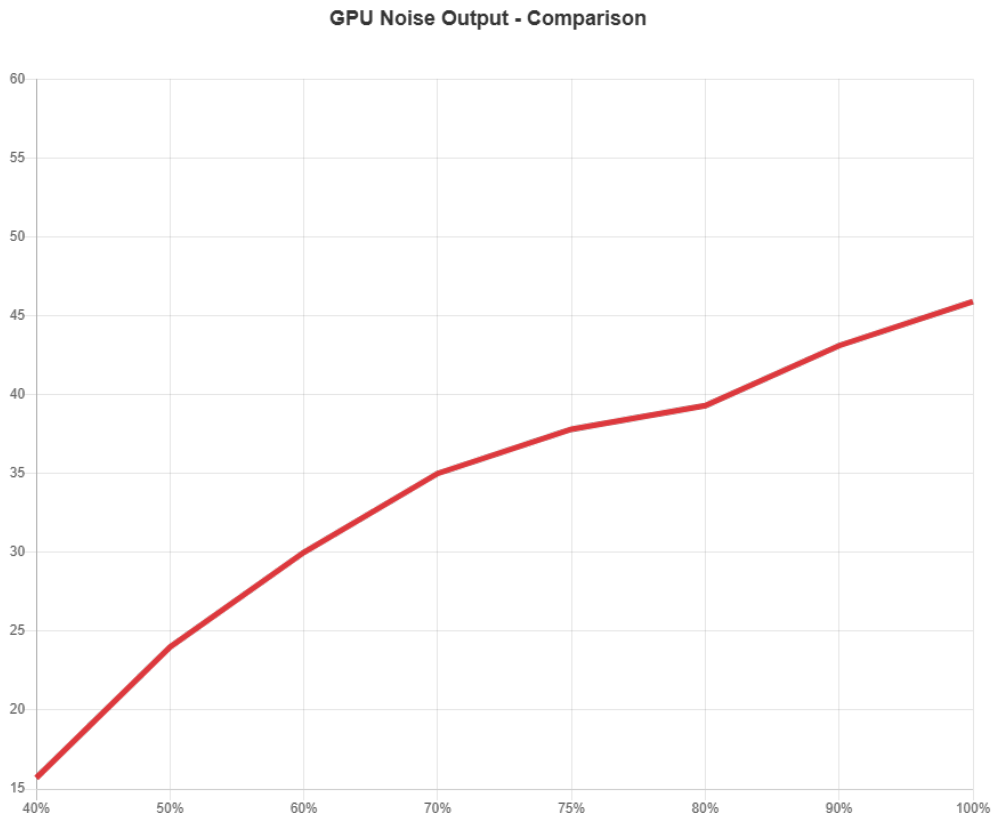
LAeq



LZeq



GPU Fan(s) Noise Output – Laeq



INFO

Galax GeForce RTX 4060 EX Noise Output from 40% to 100% Fan Speed

be quiet! Light Base 500 LX



Case Photo



Case Photo #2

All data and graphs included in this test report can be used by any individual on the following conditions:
› It should be mentioned that the test results are provided by Cybenetics
› The link to the original test results document should be provided in any case

Cybenetics runs voluntary certification programs for power supplies - ETA for efficiency, LAMBDA for noise and SAFE for safety and correct operation - and for cooling products, with DELTA for chassis soundproofing and PHI for fan airflow and static pressure. THETA rates cooler performance on AMD AM5 and Intel LGA1851 outside ISO 17065 and accreditation scope

CYBENETICS LTD Syrou 6, Latsia, 2231, Nicosia Cyprus

www.cybenetics.com - info@cybenetics.com