

SilentiumPC Spartan 5 MAX ARGB (SPC323)

The Spartan 5 MAX ARGB is a CPU cooling system developed in cooperation with Synergy Cooling that has been additionally equipped with addressable-RGB lighting, and directly competes with more expensive mid-range coolers. The streamlined heatsink design and base, which consists of heat pipes directly in contact with the processor, offer effective cooling of even the latest processors, while maintaining low volume levels and an affordable price. The Spartan 5 uses a specially designed, heatsink-integrated version of the award-winning Fluctus 120 PWM fan, ensuring both quiet operation and psychoacoustic optimization throughout the entire setup.

The Spartan 5 MAX ARGB has been designed primarily for system integrators and users looking for efficient and inexpensive cooling. Thanks to its uniform structure, it is not only extremely simple to install, but also much more resistant to mechanical damage, e.g. in transport.

Four heat pipes that are in direct contact with the surface of the processor are in charge of absorbing thermal energy. This allows for high speed energy transfer to the aluminium heatsink, which has been equipped with several dozen fins, in turn significantly reducing temperature fluctuations.

Integrated Fluctus fan

Excess energy transferred to the heatsink is dissipated by the highly efficient 120-mm Fluctus fan. Just like the widely acclaimed Fluctus 120 PWM discrete fan, the integrated model provides excellent performance with very low perceived loudness levels, thanks to the patent pending psychoacoustic optimizations from Synergy Cooling. The speed curve of the fan has been additionally adjusted to ensure quiet operation with today's most popular processors, allowing for efficient operation even at lower rpm. The modern and durable FDB bearing has allowed us to provide an exceptionally long, 6-year warranty on all Spartan 5 cooling systems.

Addressable-RGB fan

The Spartan 5 MAX ARGB is equipped with an integrated Fluctus fan with an autonomous ARGB backlight, which provides a rainbow effect without the need to connect it to a motherboard ARGB system controller. The Fluctus 120 ARGB fan can also be connected to a controller that supports addressable backlighting, allowing the user to select different colours and effects. The backlight system can be synchronized with all compatible motherboards equipped with a 3-pin ARGB connector.

Some examples are as follows: ASRock Polychrome Sync, Asus Aura Sync and MSI Mystic Light. Gigabyte RGB Fusion 2.0 (only in 2 + 1 plugs with an empty space between the pins, as with most Gigabyte motherboards). Other addressable lighting systems are also supported if compatible with those listed. All the user needs to do is plug the ARGB cable-end of the cooler into the appropriate motherboard connector, and it will become controllable by the motherboard's software.

The Spartan 5 MAX ARGB is identical to the standard Spartan 5 MAX in terms of performance, giving you both stunning visuals and powerful cooling.

Updated mounting system

All coolers from the Spartan 5 family are equipped with a completely new mounting system, consisting of a spring loaded frame and only one movable element. On AMD platforms, the installation only requires a single screw. This system allows for faster and more convenient cooling installation, and makes it more resistant to mechanical damage that may arise during short or long-distance transport of a fully assembled computer.

SilentiumPC coolers from the Spartan 5 family come with pre-applied Pactum PT-3 thermal paste. They are ready to be mounted on the most popular AMD processors straight out of the box. For Intel systems, an additional mounting kit consisting of only a few parts is included. AMD compatibility: AM4, AM3 (+), AM2 (+), FM2 (+), FM1. Intel compatibility: LGA 1700, 1200, 1150, 1151, 1155, 1156.

Spartan 5 MAX ARGB distinctive features:

- Updated mounting system which allows for up to 4 times faster installation
- Modernized dense heatsink design consisting of 4 heat pipes in direct contact with the processor
- Integrated high-performance 120mm Fluctus ARGB fan, specially-engineered to work with the dense Spartan 5 heatsink
- Optimized fan speed curve for silent operation
- Autonomous ARGB backlight that functions with or without external control
- 146 mm tall - fits most cases, even relatively narrow ones
- Tall RAM module compatibility
- Pre-applied Pactum PT-3 thermal paste
- 6 year warranty

Spartan 5 MAX ARGB technical specifications:

- Product code: SPC323
- EAN: 5903018664156
- Dimensions: 146×125×65 mm
- Weight: 485 g
- TDP: 180 W
- Type: tower
- Heat pipes: 4
- Fan: integrated Fluctus 120 ARGB
- Fan control: PWM
- Fan speed: 250(±100) – 1500 (±10%) rpm.
- Fan connector: 4-pin PWM (male)
- Fan voltage: 12 V
- Fan current: 0,23 A
- LED controls: ARGB 5V
- LED connector: 3-PIN (male/female)
- LED Current: 0,28 A
- Fan bearing: FDB

- Service life: 100 000 h
- Intel processor compatibility:
 - LGA 1700
 - LGA 1200 / 1150 / 1151 / 1155 / 1156
- AMD processor compatibility:
 - AM4
 - AM3(+) / AM2(+) / FM2(+) / FM1
- Warranty (months): 72

Set includes:

- Spartan 5 MAX heatsink with an integrated Fluctus 120 PWM ARGB fan and pre-applied Pactum PT-3 thermal paste
- Mounting accessories