

## **SilentiumPC Spartan 5 (SPC320)**

The Spartan 5 is a CPU cooling system developed in cooperation with Synergy Cooling that 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 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.

Two 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.

### **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 distinctive features:**

- Updated mounting system, allowing for up to 4 times faster installation

- Modernized dense heatsink design consisting of 2 heat pipes in direct contact with the processor
- Integrated high-performance 120mm Fluctus fan, specially-engineered to work with the dense Spartan 5 heatsink
- Optimized fan speed curve for silent operation
- 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 technical specifications:**

- Product code: SPC320
- EAN: 5903018664125
- Dimensions: 146×125×65 mm
- Weight: 435 g
- TDP: 160 W
- Type: tower
- Heat pipes: 2
- Fan: integrated Fluctus 120
- Fan control: PWM
- Fan speed: 250(±100) – 1500 (±10%) rpm.
- Fan connector: 4-pin PWM (male)
- Fan voltage: 12 V
- Fan current: 0,22 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 heatsink with an integrated Fluctus 120 PWM fan and pre-applied Pactum PT-3 thermal paste
- Mounting accessories