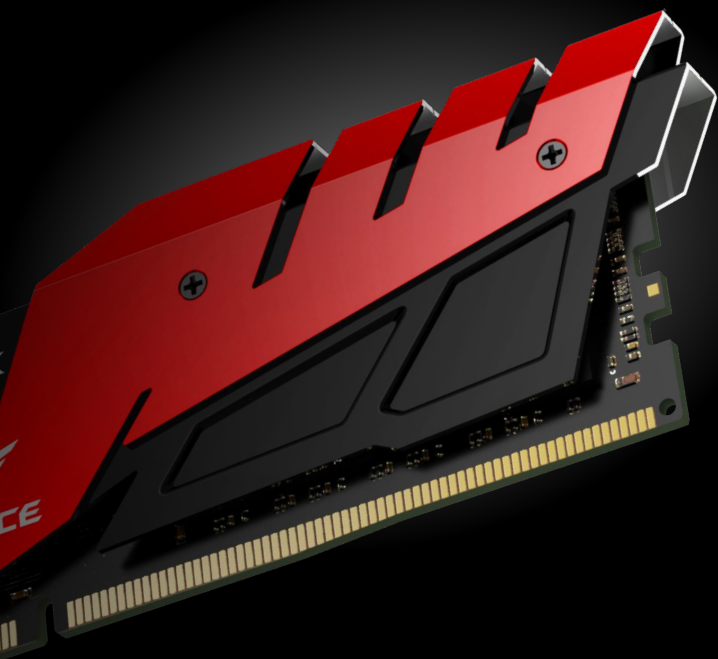**T-FORCE**

TEAMGROUP **Team**

DDR4 GAMING DARK

T-Force | DDR4 Dark

T-FORCE
GAMING DDR4 DARK

Awesome knight armor style heat spreader

The Team Group design team had built a heat spreader with an all new exterior design concept. The vigorous look of top notch armor style spreader transforms the memory device of the computer hardware into a valiant dark knight riding a dark horse.

With complete coverage design and improve radiating performance 8%

The design of DDR 4 DARK heat spreader surpasses DDR 3 DARK's. The heat spreader area is extended to the top and the two sides. Double layer heat spreader offers memory a better protection. Complete coverage of the memory not only can enhance the radiating performance and maintain the system a long time stable operation, but also can solve the problem of overheating.

The Only 4-pieces heat spreader in the market

Other than the two-piece or three-piece heat spreader with cover on the market, Team Group releases the only four-piece heat spreader in the industry. Upper and lower layers are used to create a design texture of crossed lines and the killer look of a dark knight's armor. It is both unique and eye catching.

Ultra low working voltage Save energy up to 40%

With low working voltage 1.2~1.4V from DDR4 DARK , it is not only energy saving but it can also reduce the temperature and the heat generated to offer the high speed running memory a stable and long time operation.

XMP2.0 1 step overclocking technology

All DARK series support Intel XMP 2.0. It is only one step away to experience the high speed sensation of overclocking.

QVL approved by motherboard manufacturers

Multiple compatibility verifications with mainstream DDR4 motherboards to make sure its stability with all motherboards on the QVL(Qualified Vendor List). Therefore, you wouldn't' have to worry about compatibility issues when purchasing high speed memory.

Main Feature

LIFE TIME
WARRANTY

- Awesome knight armor style heat spreader
- Complete coverage of the top and both sides
- The Only four-pieces heat spreader in the market
- Selected high quality IC chips
- 1.2V~1.4V ultra low working voltage
- Support intel XMP 2.0 smart overclocking technology
- QVL approved by mainstream motherboard manufactures in the market

Specification

Item	Specification			
Module Type	288 Pin Unbuffered DIMM Non ECC			
Capacity	4GB / 4GBx2 / 8GB / 8GBx2 / 16GB / 16GBx2			
Frequency	2400	2666	2800	3000
Data transfer bandwidth	19,200 MB/s (PC4 19200)	21,328 MB/s (PC4 21300)	22,400 MB/s (PC4 22400)	24,000 MB/s (PC4 24000)
CL-Value	CL14-16-16-31 CL15-17-17-35	CL15-15-15-35 CL15-17-17-35	CL16-16-16-36 CL16-18-18-38	CL15-15-15-35 CL16-18-18-38
Voltage	1.2V			1.35V
Heat Sink	Aluminum heat-sink			
Operation System	Desktop or notebook computer with DDR4 Memory Slots Required OS: Windows 10 / 8.1 / 8 / 7 / Vista / XP			
Warranty	Lifetime Warranty			

Ordering Information

Description	Color	Timings/Voltage	Capacity	Team P/N
TEAM Dark UD-D4 2400	Red	CL14-16-16-31 1.2V	4GB	TDRED44G2400HC1401
		CL14-16-16-31 1.2V	4GBx2	TDRED48G2400HC14DC01
		CL14-16-16-31 1.2V	8GB	TDRED48G2400HC1401
		CL14-16-16-31 1.2V	8GBx2	TDRED416G2400HC14DC01
		CL15-17-17-35 1.2V	16GB	TDRED416G2400HC15B01
		CL15-17-17-35 1.2V	16GBx2	TDRED432G2400HC15BDC01
TEAM Dark UD-D4 2666		CL15-15-15-35 1.2V	4GBx2	TDRED48G2666HC15ADC01
		CL15-15-15-35 1.2V	8GBx2	TDRED416G2666HC15ADC01
		CL15-17-17-35 1.2V	4GBx2	TDRED48G2666HC15BDC01
		CL15-17-17-35 1.2V	8GBx2	TDRED416G2666HC15BDC01
		CL15-17-17-35 1.2V	16GBx2	TDRED432G2666HC15BDC01
TEAM Dark UD-D4 2800		CL16-16-16-36 1.2V	4GBx2	TDRED48G2800HC16ADC01
		CL16-16-16-36 1.2V	8GBx2	TDRED416G2800HC16ADC01
		CL16-18-18-38 1.2V	4GBx2	TDRED48G2800HC16CDC01
		CL16-18-18-38 1.2V	8GBx2	TDRED416G2800HC16CDC01
		CL16-18-18-38 1.2V	16GBx2	TDRED432G2800HC16CDC01
TEAM Dark UD-D4 3000		CL15-15-15-35 1.35V	4GBx2	TDRED48G3000HC15ADC01
		CL15-15-15-35 1.35V	8GBx2	TDRED416G3000HC15ADC01
		CL16-18-18-38 1.35V	4GBx2	TDRED48G3000HC16CDC01
		CL16-18-18-38 1.35V	8GBx2	TDRED416G3000HC16CDC01
		CL16-18-18-38 1.35V	16GBx2	TDRED432G3000HC16CDC01
TEAM Dark UD-D4 2400	Gray	CL14-16-16-31 1.2V	4GB	TDGED44G2400HC1401
		CL14-16-16-31 1.2V	4GBx2	TDGED48G2400HC14DC01
		CL14-16-16-31 1.2V	8GB	TDGED48G2400HC1401
		CL14-16-16-31 1.2V	8GBx2	TDGED416G2400HC14DC01
		CL15-17-17-35 1.2V	16GB	TDGED416G2400HC15B01
		CL15-17-17-35 1.2V	16GBx2	TDGED432G2400HC15BDC01
TEAM Dark UD-D4 2666		CL15-15-15-35 1.2V	4GBx2	TDGED48G2666HC15ADC01
		CL15-15-15-35 1.2V	8GBx2	TDGED416G2666HC15ADC01
		CL15-17-17-35 1.2V	4GBx2	TDGED48G2666HC15BDC01
		CL15-17-17-35 1.2V	8GBx2	TDGED416G2666HC15BDC01
		CL15-17-17-35 1.2V	16GBx2	TDGED432G2666HC15BDC01

Ordering Information

Description	Color	Timings/Voltage	Capacity	Team P/N
TEAM Dark UD-D4 2800	Gray	CL16-16-16-36 1.2V	4GBx2	TDGED48G2800HC16ADC01
		CL16-16-16-36 1.2V	8GBx2	TDGED416G2800HC16ADC01
		CL16-18-18-38 1.2V	4GBx2	TDGED48G2800HC16CDC01
		CL16-18-18-38 1.2V	8GBx2	TDGED416G2800HC16CDC01
		CL16-18-18-38 1.2V	16GBx2	TDGED432G2800HC16CDC01
TEAM Dark UD-D4 3000		CL15-15-15-35 1.35V	4GBx2	TDGED48G3000HC15ADC01
		CL15-15-15-35 1.35V	8GBx2	TDGED416G3000HC15ADC01
		CL16-18-18-38 1.35V	4GBx2	TDGED48G3000HC16CDC01
		CL16-18-18-38 1.35V	8GBx2	TDGED416G3000HC16CDC01
		CL16-18-18-38 1.35V	16GBx2	TDGED432G3000HC16CDC01

RoHS COMPLIANT   FC CE