



2022.10.06.V2

TOUGHRAM Z-ONE RGB D5 Support List				16GBx2 DDR5 4800MT/s	16GBx2 DDR5 5200MT/s	16GBx2 DDR5 5600MT/s
Brand	INTEL Chipset	Channel	Model			
ASUS	Intel Z690	Dual (2x16 32GB)	TUF GAMING Z690-PLUS	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASUS	Intel Z690	Dual (2x16 32GB)	TUF GAMING Z690-PLUS WIFI	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASUS	Intel Z690	Dual (2x16 32GB)	PRIME Z690-A-CSM	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASUS	Intel Z690	Dual (2x16 32GB)	ROG MAXIMUS Z690 FORMULA	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASUS	Intel Z690	Dual (2x16 32GB)	ROG MAXIMUS Z690 APEX	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASUS	Intel Z690	Dual (2x16 32GB)	ROG STRIX Z690-E GAMING WIFI	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASUS	Intel Z690	Dual (2x16 32GB)	ROG STRIX Z690-G GAMING WIFI	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASUS	Intel Z690	Dual (2x16 32GB)	ROG STRIX Z690-F GAMING WIFI	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASUS	Intel Z690	Dual (2x16 32GB)	ROG MAXIMUS Z690 EXTREME	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASUS	Intel Z690	Dual (2x16 32GB)	ROG MAXIMUS Z690 EXTREME GLACIAL	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASUS	Intel Z690	Dual (2x16 32GB)	ROG MAXIMUS Z690 HERO	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASUS	Intel Z690	Dual (2x16 32GB)	ProArt Z690-CREATOR WIFI	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
TOUGHRAM Z-ONE RGB D5 Support List				16GBx2 DDR5 4800MT/s	16GBx2 DDR5 5200MT/s	16GBx2 DDR5 5600MT/s
Brand	INTEL Chipset	Channel	Model			
MSI	Intel Z690	Dual (2x16 32GB)	MEG Z690 GODLIKE	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
MSI	Intel Z690	Dual (2x16 32GB)	MAG Z690M MORTAR WIFI	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
MSI	Intel Z690	Dual (2x16 32GB)	MPG Z690 EDGE WIFI	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
MSI	Intel Z690	Dual (2x16 32GB)	MEG Z690I UNIFY	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
MSI	Intel Z690	Dual (2x16 32GB)	MEG Z690 UNIFY	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
MSI	Intel Z690	Dual (2x16 32GB)	PRO Z690-A	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
MSI	Intel Z690	Dual (2x16 32GB)	MPG Z690 FORCE WIFI	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
MSI	Intel Z690	Dual (2x16 32GB)	MPG Z690 CARBON WIFI	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
MSI	Intel Z690	Dual (2x16 32GB)	PRO Z690-A WIFI	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
MSI	Intel Z690	Dual (2x16 32GB)	MEG Z690 UNIFY-X	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
MSI	Intel Z690	Dual (2x16 32GB)	MAG Z690 TOMAHAWK WIFI	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
MSI	Intel Z690	Dual (2x16 32GB)	MEG Z690 ACE	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
MSI	Intel Z690	Dual (2x16 32GB)	MAG Z690 TORPEDO	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
MSI	Intel B660	Dual (2x16 32GB)	PRO B660M-A WIFI	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
MSI	Intel B660	Dual (2x16 32GB)	PRO B660M-A	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
MSI	Intel B660	Dual (2x16 32GB)	MAG B660M MORTAR	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
MSI	Intel B660	Dual (2x16 32GB)	MAG B660 TOMAHAWK WIFI	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
TOUGHRAM Z-ONE RGB D5 Support List				16GBx2 DDR5 4800MT/s	16GBx2 DDR5 5200MT/s	16GBx2 DDR5 5600MT/s
Brand	INTEL Chipset	Channel	Model			
GIGABYTE	Intel Z690	Dual (2x16 32GB)	Z690 AORUS XTREME (rev. 1.0)	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
GIGABYTE	Intel Z690	Dual (2x16 32GB)	Z690 AORUS MASTER (rev. 1.x)	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
GIGABYTE	Intel Z690	Dual (2x16 32GB)	Z690 AORUS ULTRA (rev. 1.x)	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
GIGABYTE	Intel Z690	Dual (2x16 32GB)	Z690 AERO G (rev. 1.x)	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
GIGABYTE	Intel Z690	Dual (2x16 32GB)	Z690 AERO D (rev. 1.x)	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
GIGABYTE	Intel Z690	Dual (2x16 32GB)	Z690 AORUS ELITE (rev. 1.0)	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
GIGABYTE	Intel Z690	Dual (2x16 32GB)	Z690 AORUS ELITE AX (rev. 1.x)	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)



2022.10.06.V2

TOUGHRAM Z-ONE RGB D5 Support List				16GBx2 DDR5 4800MT/s	16GBx2 DDR5 5200MT/s	16GBx2 DDR5 5600MT/s
Brand	INTEL Chipset	Channel	Model			
GIGABYTE	Intel Z690	Dual (2x16 32GB)	Z690 UD (rev. 1.0)	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
TOUGHRAM Z-ONE RGB D5 Support List				16GBx2 DDR5 4800MT/s	16GBx2 DDR5 5200MT/s	16GBx2 DDR5 5600MT/s
Brand	INTEL Chipset	Channel	Model			
ASROCK	Intel Z690	Dual (2x16 32GB)	Z690 AQUA OC	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASROCK	Intel Z690	Dual (2x16 32GB)	Z690 AQUA	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASROCK	Intel Z690	Dual (2x16 32GB)	Z690 Taichi Razer Edition	INTEL 12 (Y)	--	--
ASROCK	Intel Z690	Dual (2x16 32GB)	Z690 Taichi	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASROCK	Intel Z690	Dual (2x16 32GB)	Z690 Steel Legend WiFi 6E/D5	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASROCK	Intel Z690	Dual (2x16 32GB)	Z690 Steel Legend/D5	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASROCK	Intel Z690	Dual (2x16 32GB)	Z690 PG Velocita	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASROCK	Intel Z690	Dual (2x16 32GB)	Z690 Phantom Gaming 4/D5	INTEL 12 (Y)	--	--
ASROCK	Intel Z690	Dual (2x16 32GB)	Z690 Phantom Gaming-ITX/TB4	INTEL 12 (Y)	--	--
ASROCK	Intel Z690	Dual (2x16 32GB)	Z690M PG Riptide/D5	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
ASROCK	Intel B660	Dual (2x16 32GB)	B660M Pro RS/D5	INTEL 12 (Y)	INTEL 12 (Y)	INTEL 12 (Y)
TOUGHRAM Z-ONE RGB D5 Support List				16GBx2 DDR5 4800MT/s	16GBx2 DDR5 5200MT/s	16GBx2 DDR5 5600MT/s
Brand	AMD Chipset	Channel	Model			
ASUS	AMD X670 Raphael	Dual (2x16 32GB)	PRIME X670E-PRO WIFI-CSM	--	7000 (Y)	7000 (Y)
ASUS	AMD X670 Raphael	Dual (2x16 32GB)	ProArt X670E-CREATOR WIFI	7000 (Y)	--	7000 (Y)
ASUS	AMD X670 Raphael	Dual (2x16 32GB)	TUF GAMING X670E-PLUS WIFI	--	7000 (Y)	7000 (Y)
ASUS	AMD X670 Raphael	Dual (2x16 32GB)	TUF GAMING X670E-PLUS	--	7000 (Y)	7000 (Y)
ASUS	AMD X670 Raphael	Dual (2x16 32GB)	PRIME X670-P	--	7000 (Y)	7000 (Y)
ASUS	AMD X670 Raphael	Dual (2x16 32GB)	PRIME X670-P WIFI	--	7000 (Y)	7000 (Y)
ASUS	AMD X670 Raphael	Dual (2x16 32GB)	ROG STRIX X670E-I GAMING WIFI	--	7000 (Y)	7000 (Y)
ASUS	AMD X670 Raphael	Dual (2x16 32GB)	ROG CROSSHAIR X670E HERO	7000 (Y)	--	7000 (Y)
ASUS	AMD X670 Raphael	Dual (2x16 32GB)	ROG STRIX X670E-A GAMING WIFI	7000 (Y)	--	7000 (Y)
ASUS	AMD X670 Raphael	Dual (2x16 32GB)	ROG STRIX X670E-F GAMING WIFI	7000 (Y)	--	7000 (Y)
ASUS	AMD X670 Raphael	Dual (2x16 32GB)	ROG STRIX X670E-E GAMING WIFI	7000 (Y)	--	7000 (Y)
ASUS	AMD X670 Raphael	Dual (2x16 32GB)	ROG CROSSHAIR X670E GENE	7000 (Y)	--	7000 (Y)
ASUS	AMD X670 Raphael	Dual (2x16 32GB)	ROG CROSSHAIR X670E EXTREME	7000 (Y)	--	7000 (Y)
TOUGHRAM Z-ONE RGB D5 Support List				16GBx2 DDR5 4800MT/s	16GBx2 DDR5 5200MT/s	16GBx2 DDR5 5600MT/s
Brand	AMD Chipset	Channel	Model			
MSI	AMD X670 Raphael	Dual (2x16 32GB)	MEG X670E ACE	7000 (Y)	7000 (Y)	7000 (Y)
MSI	AMD X670 Raphael	Dual (2x16 32GB)	MEG X670E GODLIKE	7000 (Y)	7000 (Y)	7000 (Y)
MSI	AMD X670 Raphael	Dual (2x16 32GB)	PRO X670-P WIFI	7000 (Y)	7000 (Y)	7000 (Y)
MSI	AMD X670 Raphael	Dual (2x16 32GB)	MPG X670E CARBON WIFI	7000 (Y)	7000 (Y)	7000 (Y)
TOUGHRAM Z-ONE RGB D5 Support List				16GBx2 DDR5 4800MT/s	16GBx2 DDR5 5200MT/s	16GBx2 DDR5 5600MT/s
Brand	AMD Chipset	Channel	Model			
GIGABYTE	AMD X670 Raphael	Dual (2x16 32GB)	X670E AORUS XTREME (rev. 1.0)	7000 (Y)	7000 (Y)	7000 (Y)
GIGABYTE	AMD X670 Raphael	Dual (2x16 32GB)	X670E AORUS MASTER (rev. 1.0)	7000 (Y)	7000 (Y)	7000 (Y)
GIGABYTE	AMD X670 Raphael	Dual (2x16 32GB)	X670 AORUS ELITE AX (rev. 1.0)	7000 (Y)	7000 (Y)	7000 (Y)
GIGABYTE	AMD X670 Raphael	Dual (2x16 32GB)	X670 GAMING X AX (rev. 1.0)	7000 (Y)	7000 (Y)	7000 (Y)
GIGABYTE	AMD B650 Raphael	Dual (2x16 32GB)	B650E AORUS MASTER (rev. 1.0)	7000 (Y)	7000 (Y)	7000 (Y)



2022.10.06.V2

TOUGHRAM Z-ONE RGB D5 Support List				16GBx2 DDR5 4800MT/s	16GBx2 DDR5 5200MT/s	16GBx2 DDR5 5600MT/s
Brand	AMD Chipset	Channel	Model			
GIGABYTE	AMD B650 Raphael	Dual (2x16 32GB)	B650 AORUS ELITE AX (rev. 1.x)	7000 (Y)	7000 (Y)	7000 (Y)
GIGABYTE	AMD B650 Raphael	Dual (2x16 32GB)	B650 AORUS ELITE (rev. 1.0)	7000 (Y)	7000 (Y)	7000 (Y)
GIGABYTE	AMD B650 Raphael	Dual (2x16 32GB)	B650 AORUS PRO AX (rev. 1.x)	7000 (Y)	7000 (Y)	7000 (Y)
GIGABYTE	AMD B650 Raphael	Dual (2x16 32GB)	B650M AORUS ELITE (rev. 1.0)	7000 (Y)	7000 (Y)	7000 (Y)
GIGABYTE	AMD B650 Raphael	Dual (2x16 32GB)	B650M AORUS PRO AX (rev. 1.x)	7000 (Y)	7000 (Y)	7000 (Y)
GIGABYTE	AMD B650 Raphael	Dual (2x16 32GB)	B650M AORUS ELITE AX (rev. 1.x)	7000 (Y)	7000 (Y)	7000 (Y)
GIGABYTE	AMD B650 Raphael	Dual (2x16 32GB)	B650 AERO G (rev. 1.0)	7000 (Y)	7000 (Y)	7000 (Y)
TOUGHRAM Z-ONE RGB D5 Support List				16GBx2 DDR5 4800MT/s	16GBx2 DDR5 5200MT/s	16GBx2 DDR5 5600MT/s
Brand	AMD Chipset	Channel	Model			
ASROCK	AMD X670 Raphael	Dual (2x16 32GB)	X670E Taichi Carrara	7000 (Y)	7000 (Y)	7000 (Y)
ASROCK	AMD X670 Raphael	Dual (2x16 32GB)	X670E Taichi	7000 (Y)	7000 (Y)	7000 (Y)
ASROCK	AMD X670 Raphael	Dual (2x16 32GB)	X670E Steel Legend	--	7000 (Y)	--
ASROCK	AMD X670 Raphael	Dual (2x16 32GB)	X670E Pro RS	7000 (Y)	7000 (Y)	--
ASROCK	AMD X670 Raphael	Dual (2x16 32GB)	X670E PG Lightning	7000 (Y)	7000 (Y)	7000 (Y)
ASROCK	AMD B650 Raphael	Dual (2x16 32GB)	B650E Taichi	7000 (Y)	7000 (Y)	7000 (Y)
ASROCK	AMD B650 Raphael	Dual (2x16 32GB)	B650E Steel Legend WiFi	--	7000 (Y)	--
ASROCK	AMD B650 Raphael	Dual (2x16 32GB)	B650E PG Riptide WiFi	--	--	--
ASROCK	AMD B650 Raphael	Dual (2x16 32GB)	B650E PG-ITX WiFi	7000 (Y)	7000 (Y)	7000 (Y)
ASROCK	AMD B650 Raphael	Dual (2x16 32GB)	B650 Pro RS	7000 (Y)	7000 (Y)	--
ASROCK	AMD B650 Raphael	Dual (2x16 32GB)	B650 PG Lightning	7000 (Y)	7000 (Y)	7000 (Y)
ASROCK	AMD B650 Raphael	Dual (2x16 32GB)	B650M PG Riptide WiFi	7000 (Y)	7000 (Y)	7000 (Y)
ASROCK	AMD B650 Raphael	Dual (2x16 32GB)	B650M PG Riptide	7000 (Y)	7000 (Y)	7000 (Y)

Supports Intel® Extreme Memory Profile (XMP 3.0 support 4800MT/s up ; 4800MT/s is default)

\* Please refer to your motherboard's specification page for more details.

\* The maximum memory frequency supported varies by processor.

Support AMD Ryzen™ 7000-Series CPU

\* Please refer to your motherboard's specification page for more details.