



2021.03.30.V8

TOUGHRAM RGB Support List				16GB 3200MHz	16GB 3600MHz	32GB 3200MHz	32GB 3600MHz
Brand	INTEL Chipset	Channel	Model				
ASUS	INTEL B560	Dual (2x16 32GB)	PRIME B560M-K	--	INTEL 10 (Y)	--	INTEL 10 (Y)
ASUS	INTEL B560	Dual (2x16 32GB)	PRIME B560M-K/CSM	--	INTEL 10 (Y)	--	INTEL 10 (Y)
ASUS	INTEL B560	Dual (2x16 32GB)	B560M-P	--	INTEL 10 (Y)	--	INTEL 10 (Y)
ASUS	INTEL B560	Dual (2x16 32GB)	EX-B560M-V5	--	INTEL 10 (Y)	--	INTEL 10 (Y)
ASUS	INTEL Z590	Dual (2x16 32GB)	PRIME Z590-A	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z590	Dual (2x16 32GB)	ROG STRIX Z590-I GAMING WIFI	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z590	Dual (2x16 32GB)	ROG STRIX Z590-A GAMING WIFI	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z590	Dual (2x16 32GB)	ROG Maximus XIII Extreme	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z590	Dual (2x16 32GB)	ROG Maximus XIII Extreme Glacial	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z590	Dual (2x16 32GB)	ROG STRIX Z590-F GAMING WIFI	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z590	Dual (2x16 32GB)	ROG STRIX Z590-E GAMING WIFI	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z590	Dual (2x16 32GB)	ROG MAXIMUS XIII HERO	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z490	Dual (2x16 32GB)	Prime Z490-A	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z490	Dual (2x16 32GB)	ROG Strix Z490-A Gaming	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z490	Dual (2x16 32GB)	ROG Strix Z490-E Gaming	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z490	Dual (2x16 32GB)	ROG Strix Z490-F Gaming	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z490	Dual (2x16 32GB)	ROG Strix Z490-G Gaming	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z490	Dual (2x16 32GB)	ROG Strix Z490-H Gaming	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z490	Dual (2x16 32GB)	ROG Strix Z490-I Gaming	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z490	Dual (2x16 32GB)	ROG Maximus XII Hero (WI-FI)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z490	Dual (2x16 32GB)	ROG Maximus XII Formula	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z490	Dual (2x16 32GB)	ROG Maximus XII Extreme	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z490	Dual (2x16 32GB)	ROG Maximus XII Extreme Glacial	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASUS	INTEL Z490	Dual (2x16 32GB)	ProArt Z490-CREATOR 10G	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)



2021.03.30.V8

TOUGHRAM RGB Support List				16GB 3200MHz	16GB 3600MHz	32GB 3200MHz	32GB 3600MHz
Brand	INTEL Chipset	Channel	Model				
MSI	INTEL Z490	Dual (2x16 32GB)	MEG Z490 GODLIKE	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z490	Dual (2x16 32GB)	MEG Z490 ACE	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z490	Dual (2x16 32GB)	MEG Z490 UNIFY	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z490	Dual (2x16 32GB)	MPG Z490 GAMING CARBON WIFI	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z490	Dual (2x16 32GB)	MEG Z490I UNIFY	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z490	Dual (2x16 32GB)	MPG Z490M GAMING EDGE WIFI	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z490	Dual (2x16 32GB)	MPG Z490 GAMING EDGE WIFI	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z490	Dual (2x16 32GB)	MAG Z490 TOMAHAWK	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z490	Dual (2x16 32GB)	MPG Z490 GAMING PLUS	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z490	Dual (2x16 32GB)	Z490-A PRO	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z590	Dual (2x16 32GB)	MEG Z590 GODLIKE	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z590	Dual (2x16 32GB)	MEG Z590 ACE	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z590	Dual (2x16 32GB)	MPG Z590 GAMING CARBON WIFI	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z590	Dual (2x16 32GB)	MEG Z590I UNIFY	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z590	Dual (2x16 32GB)	MPG Z590 GAMING EDGE WIFI	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z590	Dual (2x16 32GB)	MAG Z590 TOMAHAWK WIFI	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z590	Dual (2x16 32GB)	MPG Z590 GAMING PLUS	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z590	Dual (2x16 32GB)	Z590-A PRO	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z590	Dual (2x16 32GB)	MPG Z590 GAMING FORCE	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z590	Dual (2x16 32GB)	MAG Z590 TORPEDO	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
MSI	INTEL Z590	Dual (2x16 32GB)	Z590 PRO WIFI	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
ASROCK	INTEL Z490	Dual (2x16 32GB)	Z490 AQUA	INTEL 10 (Y)	--	INTEL 10 (Y)	--
ASROCK	INTEL Z490	Dual (2x16 32GB)	Z490 Taichi	INTEL 10 (Y)	--	INTEL 10 (Y)	--
ASROCK	INTEL Z490	Dual (2x16 32GB)	Z490 PG Velocita	INTEL 10 (Y)	--	INTEL 10 (Y)	--
ASROCK	INTEL Z490	Dual (2x16 32GB)	Z490 Phantom Gaming -ITX/TB3	INTEL 10 (Y)	--	INTEL 10 (Y)	--
ASROCK	INTEL Z490	Dual (2x16 32GB)	Z490M Pro4	INTEL 10 (Y)	--	INTEL 10 (Y)	--
ASROCK	INTEL Z490	Dual (2x16 32GB)	Z490 Phantom Gaming 4	INTEL 10 (Y)	--	INTEL 10 (Y)	--
ASROCK	INTEL Z490	Dual (2x16 32GB)	Z490M-ITX/ac	INTEL 10 (Y)	--	INTEL 10 (Y)	--
ASROCK	INTEL Z490	Dual (2x16 32GB)	Z490 Pro4	INTEL 10 (Y)	--	INTEL 10 (Y)	--
ASROCK	INTEL Z490	Dual (2x16 32GB)	Z490 Extreme4	INTEL 10 (Y)	--	INTEL 10 (Y)	--
ASROCK	INTEL Z490	Dual (2x16 32GB)	Z490 Steel Legend	INTEL 10 (Y)	--	INTEL 10 (Y)	--
ASROCK	INTEL Z490	Dual (2x16 32GB)	Z490 Phantom Gaming 4/2.5G	INTEL 10 (Y)	--	--	--



2021.03.30.V8

TOUGHRAM RGB Support List				16GB 3200MHz	16GB 3600MHz	32GB 3200MHz	32GB 3600MHz
Brand	INTEL Chipset	Channel	Model				
Gigabyte	INTEL B560	Dual (2x16 32GB)	B560I AORUS PRO AX (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL B560	Dual (2x16 32GB)	B560 AORUS PRO AX (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL B560	Dual (2x16 32GB)	B560M DS3H (rev. 1.0)	INTEL 11 (Y)	--	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL B560	Dual (2x16 32GB)	B560M AORUS PRO (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL B560	Dual (2x16 32GB)	B560M AORUS PRO AX (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL B560	Dual (2x16 32GB)	B560 HD3 (rev. 1.0)	INTEL 11 (Y)	--	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL B560	Dual (2x16 32GB)	B560M DS3H AC (rev. 1.0)	INTEL 11 (Y)	--	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL B560	Dual (2x16 32GB)	B560M AORUS ELITE (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL B560	Dual (2x16 32GB)	B560M D3H (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL B560	Dual (2x16 32GB)	B560M D2V (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590 Aorus Xtreme (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590 Aorus Master (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590 Aorus Pro AX (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590I Aorus Ultra (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590 Aorus Elite AX (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590 Aorus Elite (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590 Aorus Ultra (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590 GAMING X (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590 VISION G (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590 VISION D (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590I VISION D (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590 UD AC (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590 UD (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590 AORUS XTREME WATERFORCE (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590M GAMING X (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590M (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)
Gigabyte	INTEL Z590	Dual (2x16 32GB)	Z590 D (rev. 1.0)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)	INTEL 11 (Y)



2021.03.30.V8

TOUGHRAM RGB Support List				16GB 3200MHz	16GB 3600MHz	32GB 3200MHz	32GB 3600MHz
Brand	INTEL Chipset	Channel	Model				
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490 Aorus Xtreme Waterforce (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490 Aorus Xtreme (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490 Aorus Master (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490 Aorus Ultra (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490 Aorus Ultra G2 (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490 Aorus Pro AX (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490 Aorus Elite (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490I Aorus Ultra (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490 Aorus Elite AC (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490 Aorus Master Waterforce (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490 VISION G (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490 VISION D (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490 Gaming X AX (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490 Gaming X (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490M GAMING X (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490 UD AC (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490 UD (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)
Gigabyte	INTEL Z490	Dual (2x16 32GB)	Z490M (rev. 1.x)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)	INTEL 10 (Y)



2021.03.30.V8

TOUGHRAM RGB Support List				16GB 3200MHz	16GB 3600MHz	32GB 3200MHz	32GB 3600MHz
Brand	AMD Chipset	Channel	Model				
MSI	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	MPG B550 GAMING CARBON WIFI	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
MSI	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	MPG B550 GAMING EDGE WIFI	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
MSI	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	MAG B550 TOMAHAWK	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
MSI	AMD B550_Matisse/Renoir	Dual (2x16 32GB)	MPG B550I GAMING EDGE WIFI	Y(4000) Y(3000)	Y(4000)	Y(4000) Y(3000)	Y(4000)
MSI	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	MAG B550M MORTAR WIFI	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
MSI	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	MAG B550M MORTAR	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
MSI	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	MPG B550 GAMING PLUS	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
MSI	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550-A PRO	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
MSI	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	MAG B550M BAZOOKA	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
MSI	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550M PRO-VDH WIFI	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
MSI	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	MEG B550 UNIFY-X	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
MSI	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	MEG B550 UNIFY	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
ASUS	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	ROG STRIX B550-I Gaming	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	--
ASUS	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	ROG STRIX B550-E Gaming	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)
ASUS	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	ROG STRIX B550-F Gaming	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)
ASUS	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	ROG STRIX B550-F Gaming (Wi-Fi)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)
ASUS	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	TUF Gaming B550M-PLUS	Y(5000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	--
ASUS	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	TUF Gaming B550M-PLUS (Wi-Fi)	Y(5000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	--
ASUS	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	PRIME B550-PLUS	Y(5000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	--
ASUS	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	PRIME B550M-A (Wi-Fi)	Y(5000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	--
ASUS	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	PRIME B550M-K	Y(5000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	--
ASUS	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	PRIME B550M-A	Y(5000)	Y(5000) Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	--



2021.03.30.V8

TOUGHRAM RGB Support List				16GB 3200MHz	16GB 3600MHz	32GB 3200MHz	32GB 3600MHz
Brand	AMD Chipset	Channel	Model				
ASROCK	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 Phantom Gaming-ITX/ax	Y(5000) Y(4000) Y(3000)	--	Y(5000) Y(4000) Y(3000)	--
ASROCK	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550M Steel Legend	Y(5000) Y(4000) Y(3000)	--	Y(5000) Y(4000) Y(3000)	--
ASROCK	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 Taichi	Y(5000) Y(4000) Y(3000)	--	Y(5000) Y(4000) Y(3000)	--
ASROCK	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 Extreme 4	Y(5000) Y(4000) Y(3000)	--	Y(5000) Y(4000) Y(3000)	--
ASROCK	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 Steel Legend	Y(5000) Y(4000) Y(3000)	--	Y(5000) Y(4000) Y(3000)	--
ASROCK	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550M-HDV	Y(5000) Y(4000) Y(3000)	--	Y(5000) Y(4000) Y(3000)	--
ASROCK	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550M-ITX ac	Y(5000) Y(4000) Y(3000)	--	Y(5000) Y(4000) Y(3000)	--
ASROCK	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 Pro4	Y(5000) Y(4000) Y(3000)	--	Y(5000) Y(4000) Y(3000)	--
ASROCK	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 PG Velocita	Y(5000) Y(4000) Y(3000)	--	Y(5000) Y(4000) Y(3000)	--
ASROCK	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 Phantom Gaming 4/ac	Y(5000) Y(4000) Y(3000)	--	Y(5000) Y(4000) Y(3000)	--
ASROCK	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 Phantom Gaming 4	Y(5000) Y(4000) Y(3000)	--	Y(5000) Y(4000) Y(3000)	--
ASROCK	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550M Pro4	Y(5000) Y(4000) Y(3000)	--	Y(5000) Y(4000) Y(3000)	--
ASROCK	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 Taichi Razer Edition	Y(5000) Y(4000) Y(3000)	--	Y(5000) Y(4000) Y(3000)	--
ASROCK	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550M Phantom Gaming 4	Y(5000) Y(4000) Y(3000)	--	Y(5000) Y(4000) Y(3000)	--
ASROCK	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550M/ac	Y(5000) Y(4000) Y(3000)	--	Y(5000) Y(4000) Y(3000)	--



2021.03.30.V8

TOUGHRAM RGB Support List				16GB	16GB	32GB	32GB
Brand	AMD Chipset	Channel	Model	3200MHz	3600MHz	3200MHz	3600MHz
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 AORUS MASTER (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 AORUS PRO AC (rev. 1.x)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 VISION D (rev.1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 AORUS PRO AX (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 AORUS PRO (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 AORUS PRO V2 (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550M H (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550M GAMING (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550M S2H (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550I AORUS PRO AX (rev.1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Renoir/Vermeer	Dual (2x16 32GB)	B550 GAMING X (rev.1.0)	Y(4000)	Y(5000) Y(4000)	Y(4000)	Y(5000) Y(4000)
Gigabyte	AMD B550 Renoir/Vermeer	Dual (2x16 32GB)	B550 Gaming X V2 (rev. 1.x)	Y(4000)	Y(5000) Y(4000)	Y(4000)	Y(5000) Y(4000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550M AORUS ELITE (rev. 1.x)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 AORUS ELITE (rev.1.x)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550M AORUS PRO-P (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 AORUS ELITE AX (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 AORUS ELITE V2 (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 AORUS ELITE AX V2 (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550M DS3H (rev. 1.x)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550M DS3H AC(rev. 1.x)	--	Y(5000) Y(4000) Y(3000)	--	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550M AORUS PRO (rev. 1.0)	Y(3000)	Y(5000) Y(4000) Y(3000)	Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD B550 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	B550 VISION D-P (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)



2021.03.30.V8

TOUGHRAM RGB Support List				16GB 3200MHz	16GB 3600MHz	32GB 3200MHz	32GB 3600MHz
Brand	AMD Chipset	Channel	Model				
Gigabyte	AMD A520 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	A520 AORUS ELITE (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD A520 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	A520M AORUS ELITE (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD A520 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	A520I AC (rev. 1.x)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD A520 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	A520M DS3H (rev. 1.x)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD A520 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	A520M S2H (rev. 1.x)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD A520 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	A520M DS3H AC (rev. 1.x)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD A520 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	A520M H (rev. 1.x)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 AORUS ELITE WIFI (rev. 1.x)	Y(4000)	Y(5000) Y(4000) Y(3000)	Y(4000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 AORUS XTREME (rev. 1.0)	--	Y(5000)	--	Y(5000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 AORUS MASTER (rev. 1.0)	--	Y(5000)	--	Y(5000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 AORUS ULTRA (rev. 1.0)	--	Y(5000)	--	Y(5000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 AORUS PRO WIFI (rev. 1.0)	--	Y(5000)	--	Y(5000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 AORUS PRO (rev.1.0)	--	Y(5000)	--	Y(5000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 AORUS ELITE (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 I AORUS PRO WIFI (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 GAMING X (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 UD (rev. 1.0)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 AORUS XTREME (rev. 1.1)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 AORUS MASTER (rev. 1.1/1.2)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 AORUS ULTRA (rev. 1.1/1.2)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 AORUS PRO WIFI (rev. 1.1/1.2)	Y(4000)	Y(5000) Y(4000)	Y(4000)	Y(5000) Y(4000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 AORUS PRO (rev.1.1/1.2)	Y(4000)	Y(5000) Y(4000)	Y(4000)	Y(5000) Y(4000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 AORUS XTREME (rev. 1.2)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 UD (rev. 1.1)	Y(3000)	Y(5000) Y(4000) Y(3000)	Y(3000)	Y(5000) Y(4000) Y(3000)
Gigabyte	AMD X570 Matisse/Renoir/Vermeer	Dual (2x16 32GB)	X570 GAMING X (rev. 1.1)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)	Y(4000) Y(3000)	Y(5000) Y(4000) Y(3000)

Supports Intel® Extreme Memory Profile (XMP)

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

\* The maximum memory frequency supported varies by processor.

Support AMD Ryzen™ 3000-Series CPU , Ryzen™ 4000-Series APU, Ryzen™ 5000-Series CPU

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