



MSI B450M-A PRO MAX placa base AMD B450 Enchufe AM4 Micro ATX

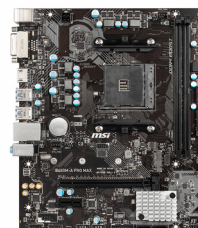
Marca : MSI

Código del producto: B450M-A PRO MAX

Nombre del producto : B450M-A PRO MAX



MSI B450M-A PRO MAX. Fabricante de procesador: AMD, Socket de procesador: Enchufe AM4, Procesador compatible: AMD Athlon, AMD Ryzen, AMD Ryzen™ 3, 2nd Generation AMD Ryzen™ 3, 3rd Generation AMD Ryzen™ tipos de memoria compatibles: DDR4-SDRAM, Memoria interna máxima: 32 GB, Tipo de ranuras de memoria: DIMM. Interfaces de disco de almacenamiento soportados: SATA III, Tipos de unidades de almacenamiento admitidas: HDD & SSD. Memoria máxima de adaptador de gráficos: 2048 MB, Máxima resolución: 4096 x 2160 Píxeles. Tipo de conector USB: USB tipo A



Procesador		Interno I/O	
Fabricante de procesador *	AMD	Conector paralelo	✓
Socket de procesador *	Enchufe AM4	Cabecera de puerto serie	1
Procesador compatible *	AMD Athlon, AMD Ryzen, AMD Ryzen™ 3, 2nd Generation AMD Ryzen™ 3, 3rd Generation AMD Ryzen™ 3, AMD Ryzen™ 5, 2nd Generation AMD Ryzen™ 5, 3rd Generation AMD Ryzen™ 5, AMD Ryzen™ 7, 2nd Generation AMD Ryzen™ 7, 3rd Generation AMD Ryzen™ 7, 3rd Generation AMD Ryzen™ 9	Panel trasero Puertos de I/O (input/output)	
		Cantidad de puertos USB 2.0 *	4
		Cantidad de puertos tipo A USB 3.2 Gen 1 (3.1 Gen 1) *	2
Máx. número de procesador SMP	1	Puertos Ethernet LAN (RJ-45) *	1
Sockets de procesador soportados	Enchufe AM4	Cantidad de puertos PS/2	2
Memoria		Número de puertos HDMI *	1
tipos de memoria compatibles *	DDR4-SDRAM	Cantidad de puertos DVI-D *	1
Número de ranuras de memoria *	2	Salidas para auriculares	1
Tipo de ranuras de memoria	DIMM	Entrada de micrófono	✓
Canales de memoria	Doble canal	Tipo de conector USB	USB tipo A
ECC	✓	Red	
No ECC	✓	Ethernet	✓
Velocidades de reloj de memoria soportadas	1866,2133,2400,2667,2800,2933,3000,3066,3200,3466,3733,3866,4000,4133 MHz	Tipo de interfaz ethernet	Gigabit Ethernet
Memoria interna máxima *	32 GB	Controlador LAN	Realtek 8111H
Capacidades del módulo de memoria soportadas	4GB, 8GB, 16GB	Wifi *	✗
Memoria sin buffer	✓	Características	
Controladores de almacenaje		Chipset de tarjeta madre *	AMD B450
Tipos de unidades de almacenamiento admitidas	HDD & SSD	Chip de sonido	Realtek ALC892
Interfaces de disco de almacenamiento soportados *	SATA III	Canales de salida de audio *	7.1 canales
Gráficos		Factor de forma de la tarjeta madre *	Micro ATX
Memoria máxima de adaptador de gráficos	2048 MB	Familia del chipset *	AMD
Soporte para proceso paralelo *	No compatible	Tipo de enfriamiento	Pasivo
Máxima resolución	4096 x 2160 Píxeles	Tipo de alimentación	ATX
Versión DirectX	12.0	Número de orificios de montaje	6
Soporte de gráficos discretos	✓	Sistemas operativos Windows soportados	Windows 10 x64, Windows 7 x64
Interno I/O		Ranuras de expansión	
USB 2.0, conectores *	2	PCI Express x1 (Gen 2.x) ranuras	1
Conectores USB 3.2 Gen 1 (3.1 Gen 1) *	1	Ranuras x16 PCI Express	1
		BIOS	
		Jumper Clear CMOS	✓

Interno I/O		Datos de logística	
Número de conectores SATA III *	4	Código de Sistema de Armonización (SA)	84733020
Conector de audio en panel frontal	✓	Peso y dimensiones	
Conector de panel delantero	✓	Ancho	236 mm
Conector de potencia ATX (24 pines)	✓	Profundidad	200 mm
Conector de ventilador CPU	✓	Contenido del empaque	
Conector de intrusión a chasis	✓	Cables incluidos	SATA
Conector TPM	✓	Controladores incluidos	✓
		Otras características	
		Tamaño del HDD	2.5/3.5"
		Guía de instalación rápida	✓



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