



ASUS PRIME Z790M PLUS BIOS 設定ガイド

Windows 10 および 11 のコア列挙制限により、パフォーマンス P コアのみで実行するように MassCore を構成することはできません。
MassCore Runtime - RTX64 をインストールする前に、BIOS で E コアを無効にしてください。

Validated BIOS version : 0812

https://www.asus.com/motherboards-components/motherboards/prime/prime-z790m-plus/helpdesk_download/?model2Name=PRIME-Z790M-PLUS

AI Tweaker	
Performance Preferences	Intel Default Settings
Intel Default Settings	Performance
AI Overclock Tuner	Auto
ASUS Multicore Enhancement	Disabled
SVID Behavior	Intel's Fail Safe
BCLK Frequency	DRAM Frequency Ratio: Auto
Memory Controller	DRAM Frequency Ratio: Auto
DRAM Frequency	Auto
OC Tuner	現在の設定のまま
Performance Core Ratio	Sync All Cores
All Core ratio iLimit	Auto
Specific Performance Core	
Performance CoreX Specific Ratio Limit	Auto (all)
AVX Related Controls	
AVX2	Auto
DRAM Timing Control	
All Auto	
DIGI+ VRM	
CPU Load-line Calibration	Auto

Synch ACDC Loadline with VRM Loadline	Disabled
CPU Current Capability	Auto
CPU VRM Switching frequency	Auto
CPU Power Duty Control	T.Prob
CPU Power Phase Control	Auto
CPU VRM Thermal Control	Auto
Internal CPU Power Management	
Tcc Activation Offset	Auto
IDR Transmitter VDDQ ICCMAX	Auto
CPU Core/Cache Current Limit Max	Auto
Long Duration Package Power Limit	Auto
Package Power Time Window	Auto
Short Duration Package Power Limit	Auto
Dual Tau Boost	Disabled
IA AC Load Line	Auto
IA DC Load Line	Auto
IA CEP Enable	Auto
SA CEP Enable	Auto





IA SoC Iccmax reactive Protector	Auto
Inverse Temperature Dependency Throttle	Auto
IA VR Voltage Limit	Auto
IA TDC Current Limit	Motherboard's capability
Thermal Velocity Boost	
TVB Voltage Optimizations	Disabled
Enhanced TVB	Disabled
Overclocking TVB	Disabled
Overclocking TVB Global Temperature Offset Sign	+
Overclocking TVB Global Temperature Offset Value	Auto
Tweaker's Paradise	
Realtime Memory Timing	Disabled
SPD Write Disable	TRUE
PVD Ratio Threshold	Auto
SA PLL Frequency Override	Auto
BCLK TSC HW Fixup	Enabled
Core Ratio Extension Mode	Disabled
FLL OC Mode	Auto
UnderVolt Protection	Disabled
Switch Microcode	Current Microcode
All Voltage Settings	Auto
Advanced	
Platform Misc Configuration	
PCI Express Native Power Management	Disabled
DMI Link ASPM Control	Disabled

ASPM	Disabled
L1 Substates	Disabled
DMI ASPM	Disabled
DMI Gen3 ASPM	Disabled
PEG - ASPM	Disabled
PCI Express Clock Gating	Disabled
CPU Configuration	
Performance Core Information	Info Only
Hardware Prefetcher	Enabled
Adjacent Cache Line Prefetch	Enabled
Intel (VMX) Virtualization Technology	Enabled
Active Performance Cores	All
Active Efficient Cores	Native Users : Auto MassCore Users : 0
Hyper-Threading	Enabled
CPU Power Management Control	
Boot Performance Mode	Max Non-Turbo Performance
Intel(R) Speedstep(tm)	Disabled
Intel(R) Speedshift Technology	Disabled
Turbo Mode	Disabled
CPU C-States	Disabled
Thermal Monitor	Disabled
Dual Tau Boost	Disabled
Acoustic Noise Settings	
Acoustic Noise Mitigation	Disabled この設定はCPUがディープスリープモードになったときにのみ使用されますが、このBIOS設定では発生しません。





System Agent (SA) Configuration	
VT-D	Enabled
Control Iommu Pre-boot Behavior	Disable IOMMU
Memory Configuration	
Memory Remap	Disabled
VMD Setup Menu	
Enable VMD Controller	RAID
PCI Express Configuration	
M.2_1 Link Speed	Auto
PCIEX 16(G5) Link Speed	Auto
PCH Configuration	
PCI Express Configuration	
PCIEX1 (G4)_1 Link Speed	Auto
PCIEX1 (G4)_2 Link Speed	Auto
M.2_3 Link Speed	Auto
PCIEX16 (G4) Link Speed	Auto
M.2_2 Link Speed	Auto
PCH Storage Configuration	
SATA Controller(s)	Enabled
Aggressive LPM Support	Disabled
SMART Self Test	Enabled
M.2_3	Enabled
SATA6G_X	Enabled
SATA6G_X Hot Plug	Disabled
PCH-FW Configuration	
TPM Device Selection	Enable Firmware TPM
Thermal Configuration	

Intel Dynamic Tuning Technology Configuration	
Intel Dynamic Tuning Technology	Disabled
Trusted Computing	
Security Device Support	Enable (required for Windows 11)
SHA256 PCR Bank	Enabled
Pending Operation	None
Platform Hierarchy	Enabled
Storage Hierarchy	Enabled
Endorsement Hierarchy	Enabled
Physical Presence Spec Version	1.3
Disable Block Sid	Disabled
ASUS USB4 add-on card Configuration	
USH Host Controller Support	Disabled
UEFI Variables Protection	
Password protection of Runtime Variables	Enable
PCI Subsystem Settings	
Above 4G Decoding	Enabled
Re-Size BAR Support	Disabled
SR-IOV Support	Disabled
USB Configuration	
Legacy USB Support	Enabled
XHCI Hand-off	Disabled
USB Single Port Control	All ports enabled
Network Stack Configuration	
Network Stack	Disable
NVMe Configuration	Leave thse default
HDD/SSD SMART	information only



Information	
APM Configuration	
Restore AC Power Loss	
Max Power Saving	Disabled
ErP ready	Disabled
Power On by PCIE-E	Disabled
Power On by RTX	Disabled
Onboard Devices Configuration	
PCIe Bandwidth Bifurcation Configuration	Auto
HD Audio	Enabled
Intel LAN Controller	Enabled
USB Power delivery in Soft Off State (S5)	Enabled
Connectivity mode (Wi-Fi & Bluetooth)	Disabled
LED Lighting - When system is in working state	All On
LED Lighting - Windows Dynamic Lightning	Disabled
LED Lighting - When system is in sleep,...	Onboard LED on
Q-LED Core	Enabled
GNA Device	Disabled
Serial Port Configuration	Enabled
Wi-Fi 6E for Japan	Disabled
Boot	
CSM (Compatibility Support Module)	
Launch CSM	Disabled
Secure Boot	
OS Type	Other OS

Secure Boot Mode	Standard その他の設定では、MassCore/RTX が正しくインストールされず、MassCore ブート オプションが使用できなくなります。
Boot Configuration	
Fast Boot	Disable
Boot Logo Display	Auto
POST Delay Time	3 sec
Bootup NumLock State	On
Wait for F1 if Error	Enabled
Option ROM Messages	Force BIOS
Interrupt 19 Capture	Disabled
AMI Native NVMe Driver Support	Enabled
Setup Mode	Advanced Mode
Boot Sector (MBR/GPT) Recovery Policy	Local User Control
Next Boot Recovery Action	Skip
Saving your BIOS/UEFI settings	
ASUS EZ Flash 3 Utility	
BIOS Image Rollback Support	Enabled
Publish HII Resources	Disabled
Asus SPD Information	RAM Information

