

[2019/11/06 22:35:41]

Ai Overclock Tuner [Manual]  
BCLK Frequency [100.0000]  
BCLK\_Divider [Auto]  
Performance Enhancer [Auto]  
CPU Core Ratio [43.00]  
Performance Bias [Auto]  
Memory Frequency [DDR4-3800MHz]  
FCLK Frequency [1900MHz]  
Core Performance Boost [Enabled]  
SMT Mode [Auto]  
TPU [Keep Current Settings]  
Precision Boost Overdrive [Manual]  
PPT Limit [240]  
TDC Limit [120]  
EDC Limit [220]  
Precision Boost Overdrive Scalar [Auto]  
Max CPU Boost Clock Override [200MHz]  
Platform Thermal Throttle Limit [Auto]  
Mem Over Clock Fail Count [3]  
DRAM CAS# Latency [16]  
DRAM RAS# to CAS# Read Delay [16]  
DRAM RAS# to CAS# Write Delay [17]  
DRAM RAS# PRE Time [16]  
DRAM RAS# ACT Time [32]  
Trc [48]  
TrrdS [4]  
TrrdL [6]  
Tfaw [16]  
TwtrS [4]  
TwtrL [12]  
Twr [12]  
Trcpage [Auto]  
TrdrdScL [4]  
TwrwrScL [4]  
Trfc [270]  
Trfc2 [Auto]  
Trfc4 [Auto]  
Tewl [16]  
Trtp [8]  
Trdwr [8]  
Twrrd [4]  
TwrwrSc [1]  
TwrwrSd [7]  
TwrwrDd [7]  
TrdrdSc [1]  
TrdrdSd [5]  
TrdrdDd [5]  
Tcke [1]  
ProcODT [48 ohm]  
Cmd2T [1T]  
Gear Down Mode [Enabled]

Power Down Enable [Disabled]  
RttNom [RZQ/7]  
RttWr [RZQ/3]  
RttPark [RZQ/1]  
MemAddrCmdSetup [Auto]  
MemCsOdtSetup [Auto]  
MemCkeSetup [Auto]  
MemCadBusClkDrvStren [24.0 Ohm]  
MemCadBusAddrCmdDrvStren [20.0 Ohm]  
MemCadBusCsOdtDrvStren [20.0 Ohm]  
MemCadBusCkeDrvStren [24.0 Ohm]  
CPU Load-line Calibration [Level 3]  
CPU Current Capability [130%]  
CPU VRM Switching Frequency [Auto]  
VRM Spread Spectrum [Disabled]  
Active Frequency Mode [Disabled]  
CPU Power Duty Control [Extreme]  
CPU Power Phase Control [Extreme]  
CPU Power Thermal Control [120]  
VDDSOC Load-line Calibration [Level 2]  
VDDSOC Current Capability [Auto]  
VDDSOC Switching Frequency [Auto]  
VDDSOC Phase Control [Power Phase Response]  
Manual Adjustment [Fast]  
DRAM Current Capability [120%]  
DRAM Power Phase Control [Extreme]  
DRAM Switching Frequency [Auto]  
DRAM VBoot Voltage [1.42000]  
VTDDR Voltage [Auto]  
VPP\_MEM Voltage [Auto]  
DRAM CTRL REF Voltage on CHA [Auto]  
DRAM CTRL REF Voltage on CHB [Auto]  
VDDP Voltage [Auto]  
VDDP Standby Voltage [Auto]  
1.8V Standby Voltage [Auto]  
CPU 3.3v AUX [Auto]  
2.5V SB Voltage [Auto]  
DRAM R1 Tune [Auto]  
DRAM R2 Tune [Auto]  
DRAM R3 Tune [Auto]  
DRAM R4 Tune [Auto]  
PCIE Tune R1 [Auto]  
PCIE Tune R2 [Auto]  
PCIE Tune R3 [Auto]  
PLL Tune R1 [Auto]  
PLL reference voltage [Auto]  
T Offset [Auto]  
Sense MI Skew [Auto]  
Sense MI Offset [Auto]  
Promontory presence [Auto]  
Clock Amplitude [Auto]  
CLDO VDDP voltage [Auto]

CPU Core Voltage [Manual mode]  
- CPU Core Voltage Override [1.33125]  
CPU SOC Voltage [Manual mode]  
- VDDSOC Voltage Override [1.10000]  
DRAM Voltage [1.42000]  
CLDO VDDG voltage [0.950]  
1.8V PLL Voltage [1.80000]  
1.05V SB Voltage [1.05000]  
TPM Device Selection [Discrete TPM]  
Erase fTPM NV for factory reset [Enabled]  
PSS Support [Auto]  
SVM Mode [Disabled]  
Onboard LED [Enabled]  
Q-Code LED Function [Auto]  
SATA Port Enable [Enabled]  
SATA Mode [AHCI]  
NVMe RAID mode [Disabled]  
SMART Self Test [Enabled]  
Hot Plug [Disabled]  
Super I/O Clock Skew [Auto]  
HD Audio Controller [Disabled]  
PCIEX8\_2  Mode [Auto]  
PCIEX4\_3 Bandwidth [Auto]  
PCIEX16\_1 Mode [Auto]  
PCIEX8\_2 Mode [Auto]  
PCIEX4\_3 Mode [Auto]  
M.2 Link Mode [Auto]  
SB Link Mode [Auto]  
Asmedia USB 3.1 Controller [Enabled]  
When system is in working state [On]  
When system is in sleep, hibernate or soft off states [On]  
Intel LAN Controller [Enabled]  
Intel LAN OPROM [Disabled]  
Wi-Fi Controller [Enabled]  
Bluetooth Controller [Enabled]  
USB Type C Power Switch for U31G2\_1 [Auto]  
USB Type C Power Switch for U31G2\_EC1 [Auto]  
ErP Ready [Disabled]  
Restore On AC Power Loss [Power Off]  
Power On By PCI-E/PCI [Disabled]  
Power On By RTC [Disabled]  
Network Stack [Disabled]  
Device [SAMSUNG HD103SJ]  
Legacy USB Support [Enabled]  
XHCI Hand-off [Enabled]

SKYMEDI USB Drive 1.0 [Auto]  
WD easystore 25FB [Auto]  
WD SES Device 3004 [Auto]  
U31G2\_1 [Enabled]  
U31G1\_1 [Enabled]  
U31G1\_2 [Enabled]  
U31G1\_3 [Enabled]  
U31G1\_4 [Enabled]  
U31G1\_5 [Enabled]  
U31G1\_6 [Enabled]  
U31G1\_7 [Enabled]  
U31G1\_8 [Enabled]  
U31G1\_9 [Enabled]  
U31G1\_10 [Enabled]  
USB\_11 [Enabled]  
USB\_12 [Enabled]  
USB\_13 [Enabled]  
USB\_14 [Enabled]  
USB\_15 [Enabled]  
CPU Temperature [Monitor]  
MotherBoard Temperature [Monitor]  
VRM Temperature [Monitor]  
PCH Temperature [Monitor]  
T\_Sensor1 Temperature [Monitor]  
EXT\_Sensor1 Temperature [Monitor]  
EXT\_Sensor2 Temperature [Monitor]  
EXT\_Sensor3 Temperature [Monitor]  
CPU Fan Speed [Monitor]  
Chassis Fan Speed [Monitor]  
RAD Fan 1 Speed [Monitor]  
RAD Fan 2 Speed [Monitor]  
W\_PUMP+ Speed [Monitor]  
CPU Optional Fan Speed [Monitor]  
Extension Fan 1 Speed [Monitor]  
Extension Fan 2 Speed [Monitor]  
Extension Fan 3 Speed [Monitor]  
W\_FLOW Speed [Monitor]  
W\_IN Temperature [Monitor]  
W\_OUT Temperature [Monitor]  
W\_FLOW2 Speed [Monitor]  
W\_IN2 Temperature [Monitor]  
W\_OUT2 Temperature [Monitor]  
CPU Core Voltage [Monitor]  
3.3V Voltage [Monitor]  
5V Voltage [Monitor]  
12V Voltage [Monitor]  
CPU Q-Fan Control [Disabled]  
Chassis Fan 1 Q-Fan Control [Disabled]  
RAD Fan 1 Q-Fan Control [PWM Mode]  
Chassis Fan 2 Q-Fan Source [CPU]  
Chassis Fan 2 Smoothing Up/Down Time [0 sec]  
Chassis Fan 2 Speed Low Limit [200 RPM]

RAD Fan 1 Profile [Standard]  
RAD Fan 2 Q-Fan Control [Disabled]  
Extension Fan 1 Q-Fan Control [Disabled]  
Extension Fan 2 Q-Fan Control [Disabled]  
Extension Fan 3 Q-Fan Control [DC Mode]  
Extension Fan 3 Q-Fan Source [CPU]  
Extension Fan 3 Speed Low Limit [200 RPM]  
Extension Fan 3 Profile [Standard]  
W\_PUMP+ Control [Disabled]  
U31G1\_1 [Enabled]  
U31G1\_2 [Enabled]  
U31G1\_3 [Enabled]  
U31G1\_4 [Enabled]  
PSPP Policy [Auto]  
Fast Boot [Enabled]  
NVMe Support [Enabled]  
Next Boot after AC Power Loss [Normal Boot]  
AMI Native NVMe Driver Support [Enabled]  
Boot Logo Display [Enabled]  
POST Delay Time [3 sec]  
Boot up NumLock State [Enabled]  
Wait For 'F1' If Error [Enabled]  
Option ROM Messages [Enabled]  
Interrupt 19 Capture [Disabled]  
Setup Mode [Advanced Mode]  
Launch CSM [Disabled]  
OS Type [Other OS]  
Setup Animator [Disabled]  
Load from Profile [1]  
Profile Name [OC\_MAN\_38MHZ]  
Save to Profile [1]  
CPU Core Voltage [Auto]  
VDDSOC Voltage [Auto]  
1.8V PLL Voltage [Auto]  
BCLK Frequency [Auto]  
CPU Ratio [Auto]  
DIMM Slot Number [DIMM\_A1]  
Bus Interface [PCIEX16/X8\_1]  
Custom Pstate0 [Auto]  
CCD Control [Auto]  
Core control [Auto]  
SMT Control [Auto]  
L1 Stream HW Prefetcher [Auto]  
L2 Stream HW Prefetcher [Auto]  
Platform First Error Handling [Enabled]  
Core Performance Boost [Auto]  
Global C-state Control [Enabled]  
DRAM ECC Enable [Auto]  
DRAM scrub time [Auto]  
Poison scrubber control [Auto]  
Redirect scrubber control [Auto]  
Redirect scrubber limit [Auto]

NUMA nodes per socket [Auto]  
Memory interleaving [Auto]  
Memory interleaving size [Auto]  
1TB remap [Auto]  
DRAM map inversion [Auto]  
ACPI SRAT L3 Cache As NUMA Domain [Auto]  
ACPI SLIT Distance Control [Auto]  
ACPI SLIT remote relative distance [Auto]  
GMI encryption control [Auto]  
xGMI encryption control [Auto]  
CAKE CRC perf bounds Control [Auto]  
4-link xGMI max speed [Auto]  
3-link xGMI max speed [Auto]  
Disable DF to external IP SyncFloodPropagation [Auto]  
Disable DF sync flood propagation [Auto]  
CC6 memory region encryption [Auto]  
Memory Clear [Auto]  
Overclock [Enabled]  
Memory Clock Speed [Auto]  
Tcl [Auto]  
Tcredr [Auto]  
Tcredwr [Auto]  
Trp [Auto]  
Tras [Auto]  
Trc Ctrl [Auto]  
TrrdS [Auto]  
TrrdL [Auto]  
Tfaw Ctrl [Auto]  
TwtrS [Auto]  
TwtrL [Auto]  
Twr Ctrl [Auto]  
Tcrepage Ctrl [Auto]  
TrdrdScL Ctrl [Auto]  
TwrwrScL Ctrl [Auto]  
Trfc Ctrl [Auto]  
Trfc2 Ctrl [Auto]  
Trfc4 Ctrl [Auto]  
Tewl [Auto]  
Trtp [Auto]  
Tcke [Auto]  
Trdwr [Auto]  
Twrrd [Auto]  
TwrwrSc [Auto]  
TwrwrSd [Auto]  
TwrwrDd [Auto]  
TrdrdSc [Auto]  
TrdrdSd [Auto]  
TrdrdDd [Auto]  
ProcODT [Auto]  
Power Down Enable [Auto]  
Cmd2T [Auto]  
Gear Down Mode [Auto]

CAD Bus Timing User Controls [Auto]  
CAD Bus Drive Strength User Controls [Auto]  
Data Bus Configuration User Controls [Auto]  
Data Poisoning [Auto]  
DRAM Post Package Repair [Disable]  
RCD Parity [Auto]  
DRAM Address Command Parity Retry [Auto]  
Write CRC Enable [Auto]  
DRAM Write CRC Enable and Retry Limit [Auto]  
Disable Memory Error Injection [True]  
DRAM ECC Symbol Size [Auto]  
DRAM UECC Retry [Auto]  
TSME [Auto]  
Data Scramble [Auto]  
DFE Read Training [Auto]  
FFE Write Training [Auto]  
PMU Pattern Bits Control [Auto]  
MR6VrefDQ Control [Auto]  
CPU Vref Training Seed Control [Auto]  
Chipselect Interleaving [Auto]  
BankGroupSwap [Auto]  
BankGroupSwapAlt [Auto]  
Address Hash Bank [Auto]  
Address Hash CS [Auto]  
Address Hash Rm [Auto]  
SPD Read Optimization [Enabled]  
MBIST Enable [Disabled]  
Pattern Select [PRBS]  
Pattern Length [3]  
Aggressor Channel [1 Aggressor Channel]  
Aggressor Static Lane Control [Disabled]  
Target Static Lane Control [Disabled]  
Worst Case Margin Granularity [Per Chip Select]  
Read Voltage Sweep Step Size [1]  
Read Timing Sweep Step Size [1]  
Write Voltage Sweep Step Size [1]  
Write Timing Sweep Step Size [1]  
IOMMU [Auto]  
Precision Boost Overdrive [Auto]  
Precision Boost Overdrive Scalar [Auto]  
FCLK Frequency [Auto]  
SOC OVERCLOCK VID [0]  
UCLK DIV1 MODE [Auto]  
VDDP Voltage Control [Auto]  
VDDG Voltage Control [Auto]  
SoC/Uncore OC Mode [Auto]  
LN2 Mode [Auto]  
ACS Enable [Auto]  
PCIe Ten Bit Tag Support [Auto]  
cTDP Control [Auto]  
EfficiencyModeEn [Auto]  
Package Power Limit Control [Auto]

APBDIS [Auto]

DF Cstates [Auto]

CPPC [Enabled]

CPPC Preferred Cores [Enabled]

BoostFmaxEn [Auto]

Early Link Speed [Auto]