



AMTNVM Editable Fields

The table below describes the content and the legal values of the NVM parameters, which can be changed using the AMTNVM tool. For each parameter, the following details are listed:

Parameter Name – the name of the parameter as it appears in the parameter file.

Description – a short description of the parameter.

Parameter Type/Range – the data and range type of the parameter value.

Mand. – Yes, if the parameter file must contain a value for this parameter. In order not to change the value which is currently in the image, leave the value which was printed by the “-parse” option.

Default Value – the value of the parameter in the default flash image (or NE if it does not exist).

Notes:

1. In the event that an optional parameter value is left empty, the AMTNVM tool will clear the current parameter value from the flash image (if a value exists).
2. In the event that at least one of the parameters PET Language Code, PET OEM Custom Fields or PET OEM Custom Fields Length are set, the tool will automatically fill the unset parameters with zeros.

Parameter Name	Description	Parameter Type/Range	Mand	Default Value
Manageability Mode	The ME Mode (AMT, ASF or NONE)	0 for NONE 1 for AMT 2 for ASF If AMT modes is selected: a) LAN Well should NOT be powered from the Core Well b) WLAN should NOT powered from the Core well c) Power Package 2 MUST be supported d) Power Package 3 MUST be supported e) AMT MUST be supported If ASF mode is selected: a) LAN well should NOT be powered from the Core Well b) Package 3 MUST be supported c) ASF MUST be supported	Yes	0
Manageability Mode Lock	This will lock the ME Mode. Once this bit is set, the user will no longer be able to change the ME Mode through MEBx.	0 to unlock 1 to lock	Yes	0
Local Firmware Update Enabled	Determines whether Local FW Update is enabled	0 to disable 1 to enable	Yes	0
Local FWU Override Counter	Determines whether to override the MEBx Local FW Update configuration and enable the ME local FW Update channel. If -1 (always) is chosen, override will work only if allowed by Local FWU Override Qualifier	0 for never n (255 > n > 0) to allow override for precisely n host boot cycles -1 for always	Yes	0
Local FWU Override Qualifier	Determines whether the override is allowed if the Local FWU Override Counter is set to -1 (minus one)	0 (always) to allow override 1 (never) to disqualify override 2 (restricted) this will allow override only until ME is configured	Yes	0
Flash Descriptor Override Pin-Strap Ignore	0 - ME enters a Temporary Disabled state in order to safely recover the full flash image 1 - ME completely ignores the strap and remain fully functional	a bit value (0/1)	Yes	0
AMT Compatibility Mode	Determines whether the AMT is in AMT 1.0 mode (1 for true)	a bit value (0/1) (1 for true)	Yes	0

AMT Configuration Mode	Determines whether the AMT is in Enterprise (0) or Small Business mode (1)	0 for enterprise 1 for small business	Yes	0
ZTC Enable	Determines whether the ZTC(Zero Touch Enable) is set or not	0 = No 1 = Yes	Yes	0
Configuration Server Port	The port of the configuration server	a two byte integer	No	NE Note: If no value is entered, the firmware will use the default value: 0
Configuration Server Name	The name of the provisioning server (client will look for this server in DNS if no IP is set)	a multibyte character string of length 1 to 33	No	NE Note: If no value is entered, the firmware will use the default value: ProvisionServer
Configuration Server IP	The IP address of the configuration server	an IP address	No	NE Note: If no value is entered, the firmware will use the default value: 0.0.0.0
AMT Host Name	The hostname	a multibyte character string of length 1 to 32	No	An empty string
AMT Domain Name	The domain name	a multibyte character string of length 1 to 222	No	An empty string
DHCP Enabled	Determines whether DHCP is enabled by default	a bit value (0/1) 0 is disabled; 1 is enabled	Yes	1
AMT Ping Response Enabled	Determines whether the AMT device responds on ping	a bit value (0/1) 0 is disabled; 1 is enabled	Yes	1
AMT Static IP Address	The AMT device IP address	an IP address	Yes	0.0.0.0
AMT Static IP Subnet Mask	The AMT device Subnet Mask	an IP address	Yes	0.0.0.0
AMT Static IP Default Gateway Address	IP address of the Default Gateway	an IP address	Yes	0.0.0.0
AMT Static IP Primary DNS Address	IP address of the primary DNS	an IP address	Yes	0.0.0.0
AMT Static IP Secondary DNS Address	IP address of the secondary DNS	an IP address	Yes	0.0.0.0
AMT Dedicated MAC Address	The AMT MAC address	a source mac address (xx-xx-xx-xx-xx-xx where every x is either a decimal digit (0-9) or one of characters a,b,c,d,e or f) (The address must be non-zero, and the second hex-digit must be even.)	Yes	ff-ff-ff-ff-ff-ff
VLAN	The VLAN tag that is used for the manageability VLAN	a two byte integer	Yes	0
PET Language Code	Language Code used in PET events by default.	a two character hexadecimal value (0xhh where each h is either a decimal digit (0-9) or one of the characters a,b,c,d,e or f)	No	NE
PET OEM Custom Fields 00-15	OEM custom fields used in PET events	16 two-character hexadecimal values, seperated by single whitespace characters	No	NE
PET OEM Custom Fields 16-31	OEM custom fields used in PET events	16 two-character hexadecimal values, separated by single whitespace characters	No	NE
PET OEM Custom Fields 32-47	OEM custom fields used in PET events	16 two-character hexadecimal values, separated by single whitespace characters	No	NE
PET OEM Custom Fields 48-63	OEM custom fields used in PET events	16 two-character hexadecimal values, separated by single whitespace characters	No	NE
PET OEM Custom Fields Length	The number of valid OemCustomField bytes	a single byte integer between 0 and 64 Note: when the value is 64, the final OEM custom byte is ignored	No	NE

PET Community String	The event manager community string used in PET events	a multi-byte character string of length 1 to 16	Yes	public
AMTManuf Test Counter	The number of full AMTManuf tests allowed	a single byte integer	Yes	8
IDER Boot Capable	Determines whether IDE Redirection is supported.	a bit value (0/1) 0 is disabled; 1 is enabled	Yes	1
SOL Boot Capable	Determines whether Serial over LAN is supported.	a bit value (0/1) 0 is disabled; 1 is enabled	Yes	1
BIOS Reflash Capable	Determines whether BIOS Reflash is supported.	a bit value (0/1) 0 is disabled; 1 is enabled	Yes	0
Boot into BIOS Setup Capable	Determines whether BIOS boot into setup screen is supported.	a bit value (0/1) 0 is disabled; 1 is enabled	Yes	0
Pause during BIOS Boot Capable	Determines whether BIOS pause before booting operating system is supported.	a bit value (0/1) 0 is disabled; 1 is enabled	Yes	0
HostIf SOL Enabled	Determines whether Serial over LAN is enabled. Note: "SerialOverLAN" must be included in the list of AMT enabled interfaces in order for SOL to be allowed. (See remote SOAP commands Get/SetEnabledInterfaces.)	a bit value (0/1) 0 is disabled; 1 is enabled	Yes	0
HostIf IDER Enabled	Determines whether IDE Redirection is enabled. Note: "IdeRedirection" must be included in the list of AMT enabled interfaces in order for IDER to be allowed. (See remote SOAP commands Get/SetEnabledInterfaces.)	a bit value (0/1) 0 is disabled; 1 is enabled	Yes	0
Remote Wake Timer	Determines the Remote Wake Timer. This value is the same as the Idle Timeout timer in the MEBX. The value will not be seen in the MEBX. If the Idle timeout timer is modified in the MEBX, the Remote wake timer value will not be used.	a two byte integer This value is in minutes. A value of 5 will be read as 5 minutes. The minimum value is 2 minutes. Any value lower than 2 minutes will be ignored and the 2 minute value will be used.	No	1 (minute)
ME Visual LED Indicator Enabled	Determines whether the ME Visual LED Indicator is enabled.	a bit value (0/1) 0 is available; 1 is not available	Yes	1
LAN Power Well	Determines where the LAN Well is powered from	a bit value (0/1/2) 0 = Core Well 1 = Suspend Well 2 = ME Well ORed with GPIO9 (WOL_EN)	Yes	2
WLAN Power Well	Determines where the WLAN Well is powered from	a bit value (0/1/2/3) 0 = No WLAN Well 1 = Core Well 2 = Suspend Well 3 = ME Well	Yes	2
Power Package <N> Supported (<Power Package Description>)	Determines if Power package <N> is supported. Power package <N> can be selected user only if the power package is supported.	A bit value (0/1) 0 = NOT Supported 1 = Supported 1) Power package 1 MUST be supported 2) Power package 2 MUST be supported if the system supports AMT 3) Power Package 3 MUST be supported if the system supports AMT or ASF 4) Power Package 4 can NOT be supported if the LAN Well is powered from the Core Well 5) Power Package 5 can NOT be supported if the LAN Well is powered from the Core Well	Yes	1

Default Power Package	Displays the default Power Package from the available Power Packages.	A bit value (1-n), where n = the valid available power package number The default power package selected must be a supported power package.	Yes	1
Kedron Driver WA	Determines if the workaround for ICH B0 system is invoked.	A bit value (0/1). If there is no Kedron card installed on the platform the value must be set to 1 (one). If this bit is set to 1, the system will perform a global reset every time the Suspend well loses power	Yes	1
AMT Legacy Provisioning Mode Supported	Displays the whether the legacy Provision mode supported or not.	A bit value (0/1). 0 is disabled; 1 is enabled If enabled AMT must be supported	Yes	1
AMT VLAN Local Configuration Blocked	Displays the whether the VLAN configuration is blocked or not.	A bit value (0/1). 0 is disabled; 1 is enabled	Yes	0
iQST Supported	Displays the whether the iQST supported by the OEM or not.	A bit value (0/1). 0 is disabled; 1 is enabled	Yes	0
ASF Supported	Displays the whether the ASF supported by the OEM or not.	A bit value (0/1). 0 is NOT Supported; 1 is supported If manageability mode is set to “ASF”, ASF MUST be supported.	Yes	1
AMT Supported	Displays the whether the AMT supported by the OEM or not.	A bit value (0/1). 0 is NOT Supported; 1 is supported If manageability mode is set to “AMT”, AMT MUST be supported	Yes	1
PKI DNS Suffix	Displays the DNS Suffix.	A multi-byte character string of length 1 to 255	Yes	Empty string