

BIOS and Intel® vPro™ customization

Business-ready BIOS settings, saving you time and cost

IT organizations usually have very specific requirements when determining how systems should initially operate even before the operating system loads. The BIOS level, boot order, and security settings such as fingerprint reader and administrator passwords are critical components that may affect how a system functions in specific network environments and provides the earliest framework for security.

When computer systems are shipped from manufacturing, they typically arrive with default BIOS settings. Standard BIOS settings include setting administrative/poweron passwords, changing the boot order of devices and enabling/disabling output devices like USB ports from their defaults. These can be changed by the administrator on-site, but this is an inefficient use of IT resource time because it will require the administrator to physically touch each system to manipulate the desired settings.

Any BIOS setting that can be captured by the BIOS deployment tools can be automated within Lenovo Manufacturing.

By using Lenovo's Imaging Technology Center's (ITC) Custom BIOS standard service, you have the option of customizing each setting in the BIOS. Examples are supervisor passwords, boot order, port settings, device settings, etc. The ITC will capture custom BIOS requirements, as defined by you, and send a special file to manufacturing so that it can be deployed on your systems along with your custom image. You can even choose to have your company logo placed in the background view as the system is booting up.

The result is that you have a high-quality custom BIOS tailored to your exact security and network needs before the systems leave Lenovo manufacturing. This will provide greater value to your business by reallocating your technician time to more strategic IT initiatives.

Custom Intel® vPro™ settings

Lenovo offers a broad set of Intel® ME 9.x firmware parameter customization options. Lenovo can configure any of the offered ME firmware parameters in accordance to your preferences during our manufacturing processes.

The result is that you will be able to reallocate your technician time to perform higher value tasks because you will no longer need to perform any manual ME

firmware parameter customizations when you take delivery of your systems. In addition, remote management of the PCs via the ME management console can easily be performed.

Pre-provisioning systems will also insure that only your organization can manage these systems from the minute they are manufactured by Lenovo.

INTEL® ME FIRMWARE CUSTOMIZABLE PARAMETERS:

- MEBx Password
- Local Firmware Update
- Manageability Feature Selection
- SOL Configuration
- IDER Configuration
- KVM Feature Selection
- KVM Opt-in User Consent
- KVM Opt-in Remote IT Consent
- Host Name
- Domain Name
- Provisioning Server Address & Port
- Provisioning Server FQDN
- TLS PSK (PID & PPS)
- Remote Configuration
- TLS PKI DNS Suffix
- Pre-Installed Certificate Hashes
- User-Defined Certificate Hashes
- Idle Timeout



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