Настройки BIOS/ОС компьютера

Настройки BIOS

Запуск BIOS:

Включите питание контроллерного ПК и нажмите клавишу [F10], когда появится логотип HP.

Логотип HP может не отображаться, если монитор распознается слишком долго.

Если из-за несвоевременного нажатия клавиши [F10] запустилась ОС, перезапустите контроллерный ПК и повторите попытку.

Элементы настройки (большая категория)	Элементы настройки (малая категория)	Настройка (HP Z2 SFF G4 Workstation) BIOS 01.01.06	Настройка (HP Z2 SFF G5 Workstation) BIOS S50 01.01.03
Безопасность			
Trusted Execution Technology (TXT)		Uncheck	Uncheck
Дополнительно			
Boot Options	Fast Boot	Uncheck *1)	Uncheck *1)
Boot Options	Network (PXE) Boot	Uncheck *1)	Uncheck *1)
Boot Options	UEFI Boot Order	Check. (Cannot change)	
Boot Options	Legacy Boot Order	Check. (Cannot change)	
Secure Boot Configuration	Configure Legacy Support and Secure Boot	Legacy Support Disable and Secure Boot Disable *1)	
Built-In Device Options	Wake On LAN	Boot to Hard Drive	Boot to Hard Drive
Option ROM Launch Policy	Configure Option ROM Launch Policy	All UEFI (Cannot change)	
Power Management Options	Extended Idle Power States	Uncheck *1)	Uncheck *1)
Remote Management Options	Intel Management Engine (ME)	Uncheck *1)	Uncheck *1)
Remote Management Options	Intel Active Management (AMT)	Uncheck	Uncheck
Remote Management Options	Watchdog Timer	Uncheck. (Cannot change)	Uncheck. (Cannot change)

*1) Элемент отключается вручную (элемент, изменяемый из BIOS по умолчанию)

После подтверждения настройки всех перечисленных выше элементов сохраните настройки BIOS.

Сохранение настроек BIOS:
1. Нажмите [Main] - [Save Changes and Exit] и выберите [Yes] на экране [Save Change?].
2. При появлении экрана [Secure Boot] введите отображаемый номер и нажмите клавишу [Enter].

Настройки ОС

Перед настройкой ОС необходимо активировать Windows, подключившись контроллерный ПК к сети.
1. Подключите контроллерный ПК к сети.
2. Нажмите [Start]-[Settings]-[Update & Security]-[Activation]-[Troubleshoot].
3. Когда появится сообщение [Troubleshoot has completed], нажмите [Activate Windows].
4. Убедитесь, что отображается сообщение [Windows is Activated with a Digital license], после чего закройте все экраны настройки.
5. Отключите контроллерный ПК от сети.

Элементы подтверждения	Настройка
Настройка клавиатуры	
Keyboard layout [Start] - [Settings] - [Time & Language] - [Region & Language] - [Advanced Keyboard Settings] - [Override for default input method]	English(United States) - US
ПО для установки	
Pre-installed application [Start]	The following is pre-installed. • PDF browser (Microsoft Edge)
Информация для входа/Системная информация	
When setting up the Windows OS, set the account name and password. After OS setup is completed, make sure that screen lock can be released with [Start] - [OLYMPUS or 👤 (EVIDENT)] - [Lock] and input "olympus" as the account and "olympus" as the password.	Able to logon with the following: Account: "olympus" Password: "olympus"
[Start] (right-click) - [Search]	
Input "System Information" - Click [System Information].	BIOS Version/Date: Ver. 01.01.06 or later
Input "winver" - Click [winver].	
Edition	Windows10 Pro for Workstations 64bit
Version	HP Z2 SFF G4 Workstation: 1803/1809/1903/1909/2004/20H2 HP Z2 SFF G5 Workstation: 2004/20H2
Input "Local" to search and find [Local Security Policy] - [Local Policies] - [Security Options]	[Interactive logon: Do not display last user name]: Disabled (No change from default setting)

Элементы подтверждения	Настройка
Настройка безопасности	
[Start] - [Windows System] - [Command prompt (right-click)] - [More] - [Run as administrator] - Input and execute "gpedit.msc" ([Local Group Policy Editor] is opened.) [Local Computer Policy (double-click)] - [Computer Configuration (double-click)] - [Administrative Templates (double-click)] - [Windows Components (double-click)]	
[Windows Update] - [Configure Automatic Updates (double-click)]	Disable
[Windows Defender Antivirus (double-click)] - [Real-time Protection (double-click)] - [Turn off real-time protection (double-click)]	Enabled
After setting is completed, close [Local Group Policy Editor] and [Command Prompt].	
Настройка Windows	
[Start] - [Windows System] - [Control Panel]	
[Clock and Region]	
[Date and Time] - [Change the time zone] - [Date and Time] - [Change time zone ...] - [Time zone]	Local time
[Region] - [Change location]	Home location: United States
[Region] - [Change date, time, or number formats]	Format: Match Windows display language (recommended)
Power options settings [Hardware and Sound] - [Power Options]	
[High performance] - [Change plan settings]	
[Turn off the display]	Never
[Put the computer to sleep]	Never
[Change advanced power settings]	
[PCI Express] - [Link State Power Management]	OFF (No change from default setting)
[Hard disk] - [Turn off hard disk after]	Never
[Sleep] - [Sleep after]	Never
[Sleep] - [Allow hybrid sleep]	OFF
Настройка Windows (продолжение)	
[Start] - [Windows System] - [Control Panel] (continuation)	
Power options settings [Hardware and Sound] - [Power Options] (continuation)	
[High performance] - [Change plan settings] (continuation)	
[Change advanced power settings] (continuation)	
[Sleep] - [Hibernate after]	Never
[Sleep] - [Allow wake timers]	Disabled
USB settings] - [USB selective suspend setting]	Disabled
[Choose what the power buttons do] - [Choose settings that are currently unavailable] - [Shutdown settings]	[Turn on fast startup]: Uncheck
[Hardware and Sound] - [NVIDIA Control Panel]	
[Adjust Image Settings with Preview]	Use my Preference emphasizing: Performance
[View system topology]	Driver version: Ver390.77 or less (DSX10-BSW V1.1.4/V1.1.5)
Combination of NVIDIA driver version and DSX10-BSW must be in the following state. If the version of the driver is newer than (value is bigger) the above version, uninstall NVIDIA driver. When uninstalling, after installing the driver of the correct combination version by installing DSX10-BSW, re-execute [Adjust image setting by preview]. When the driver of NVIDIA is old (value is smaller), it is automatically updated to the correct combination driver version by installing DSX10-BSW.	
Настройка отображения	
Screen saver [Start] - [Settings] - [Personalization] - [Lock screen]	
[Screen saver settings]	None
[On resume, display logon screen]	[On resume, display logon screen]: Uncheck
Taskbar Right-click Taskbar - [Settings]	[Lock the taskbar]: On (No change from default)
	[Automatically hide the taskbar in desktop mode]: On
	Taskbar location on screen: Bottom (No change from default)
Wallpaper on Lock screen (Sign out screen) Insert DSX10-BSW media and copy [BACKGROUNDDEFAULT.bmp] in DSX10-BSW media folder (D:\DSX10-BSW\Kitting) (where "D" is drive name) to [C:\Windows\Web\Screen] [Start] - [Settings] - [Personalization] - [Lock screen] - [Background] - [Picture] - [Browse] - Select [BACKGROUNDDEFAULT.jpg] in [C:\Windows\Web\Screen] If the [You'll need to provide administrator permission to copy to this folder] message is displayed, click [Continue]. You can check the wallpaper on Lock screen with [Start] - [▣ or ⧉ (EVIDENT)] - [Lock]. (If you set the wallpaper on the Lock screen, the same wallpaper is automatically set on the Sign out screen. You can check the wallpaper of the Sign out screen with [Start] - [▣ or ⧉ (EVIDENT)] - [Sign out].)	BACKGROUNDDEFAULT.jpg

Элементы подтверждения	Настройка
Настройка отображения (продолжение)	
Wallpaper and icon setting Insert DSX10-BSW media and copy image files in DSX10-BSW media folder (D:\DSX10-BSW\Kitting) (where "D" is drivename) to [C:\Users\Public\Pictures].	Image file: EVIDENT_Microsope_2560x1600.bmp EVIDENT_icon.bmp
Right-click the copied image file [EVIDENT_Microsope_2560x1600.bmp] on Explorer and select [Set as desktop background].	Image file: EVIDENT_Microsope_2560x1600.bmp
Login account icon [Start] - [Settings] - [Accounts] - [Create Your Picture] - [Browse for one] - Select [EVIDENT_icon.bmp] in [C:\Users\Public\Pictures]	Image file: EVIDENT_icon.bmp
Theme [Start] - [Settings] - [Personalization] - [Themes] - [Save theme] - Input "EVIDENT Theme" - [Save] * After setting [Screen saver], [Taskbar], [Wallpaper], [Login account icon] and [Wallpaper on Lock screen (Sign-out screen)], set this item. The [Save theme] is displayed after the settings are changed. As the [Save theme] is not displayed before changing the settings, the theme cannot be saved.	EVIDENT Theme
Элементы подтверждения	Настройка
Настройка производительности	
[Start] (right-click) - [Device Manager]	
[Universal Serial Bus controllers] - [USB Root Hub (USB 3.0)] - [USB Root Hub (USB 3.0)] (right-click) - [Properties] - [Power Management]	[Allow the computer to turn off this device to save power]: Uncheck
[Ports (COM & LPT)] - [Communications Port] (right-click) - [Properties] - [Port settings] - [Advanced] - [COM Port Number]	COM1

.NET Framework
[Start] (right-click) - [Run] - Input and execute "regedit" - [Computer] - [HKEY_LOCAL_MACHINE] - [SOFTWARE] - [Microsoft] - [NET Framework Setup] - [NDP] - [v4] - [Full]
Check value of REG_DWORD described in [Release].
	HP Z2 SFF G4 Workstation: NET4.7.2
	  (value of Release DWORD: 461808, 461814)
	  .NET 4.8 (value of Release DWORD: 528040, 528049, 528209, 528372)
	HP Z2 SFF G5 Workstation:
	  .NET 4.8 (value of Release DWORD: 528372)

Имя компьютера/Настройка автоматического входа	
[Start] - [Windows System] - [Control Panel] - [System and Security] - [System] - [Computer name, domain, and workgroup settings] - [Change settings] - [Computer Name] - [Change] Changing computer name, select [Restart later].	Computer name: EVIDENT-PC
Auto login Insert DSX10-BSW media and double-click [AutoLogin.reg] in DSX10-BSW media folder (D:\DSX10-BSW\Kitting) (where "D" is drive name) Set according to displayed registry editor screen.	Automatic log-on to OS
Restart OS and check the following items.	
The computer name is set correctly.	
You can log-on to OS automatically.	

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