BIOS/OS settings of PC

BIOS Settings

How to start BIOS:

Turn ON the power of the controller PC, and press the [F10] key while the HP logo is displayed.
Depending on the timing to recognize the monitor, the display of the HP logo may not be confirmed.
If the OS starts due to the delay in pressing the [F10] key, restart the controller PC and try again.

Setting items (Large category)	Setting items (Small category)	Setting (HP Z2 SFF G4 Workstation) BIOS 01.01.06	Setting (HP Z2 SFF G5 Workstation) BIOS 01.02.02
Security			
Trusted Execution Technology (TXT)		Uncheck	Uncheck
Advanced			
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) Item to change manually (item to be changed from BIOS default)

After confirming that all the above items are set, save the BIOS setting.
How to save BIOS setting:
1. Click [Main] - [Save Changes and Exit], and select [Yes] on the [Save Change?] screen.
2. If the [Secure Boot] screen appears, enter the displayed number and press the [Enter] key.

OS Settings

Before setting the OS, you must activate Windows by connecting the controller PC to the network.
1. Connect the controller PC to the network.
2. Click [Start]-[Settings]-[Update & Security]-[Activation]-[Troubleshoot].
3. When [Troubleshoot has completed] appears, click [Activate Windows].
4. Make sure that [Windows is Activated with a Digital license] is display, and close all of the setting screen.
5. Disconnect the controller PC from the network.

Confirmation items	Setting
Keyboard setting	
Keyboard layout [Start] - [Settings] - [Time & Language] - [Language] - [Keyboard] - [Override for default input method]	English (United States) - US
Installation software	
Pre-installed application [Start]	The following is pre-installed. • PDF browser (Microsoft Edge)
Logon/System information	
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] - [🖼] or [👤] (olympus) - [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 or later in BIOS Settings
Input "winver" - Click [winver].	
Edition	Windows10 Pro for Workstations 64bit
Version	HP Z2 SFF G4 Workstation: 1803 / 1809 / 1903 / 1909 / 2004 / 20H2 / 21H1 / 21H2 HP Z2 SFF G5 Workstation: 2004 / 20H2 / 21H1 / 21H2
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)

Confirmation items	Setting
Security setting	
[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)]	Disabled
[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].	

Confirmation items	Setting
Windows setup	
[Start] - [Settings] - [Time & Language] - [Region] - [Country or region]	United States
[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 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
[Sleep] - [Hibernate after]	Never
[Sleep] - [Allow wake timers]	Disabled
[USB settings] - [USB selective suspend setting]	Disabled
[Choose what the power buttons do] - [Change settings that are currently unavailable] - [Shutdown settings]	[Turn on fast startup] : Uncheck
NVIDIA Driver setting	
[Start] - [NVIDIA Control Panel]	
[Adjust Image Settings with Preview]	Use my Preference emphasizing: Performance
[View system topology]	Driver version: Ver472.12 or less (DSX10-BSW V1.1.4 / V1.1.5 / V1.2.1 / V1.2.2)
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.	

Confirmation items	Setting
Display setting	

Confirmation items		Setting
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 - [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] - [olympus or 👤 (olympus) - [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 👤 (olympus)] - [Sign out].)		BACKGROUNDDEFAULT.jpg
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: OLYMPUS_Microsope_2560x1600.bmp OLYMPUS_icon.bmp
	Right-click the copied image file OLYMPUS_Microsope_2560x1600.bmp on Explorer and select [Set as desktop background].	Image file: OLYMPUS_Microsope_2560x1600.bmp
	Login account icon [Start] - [Settings] - [Accounts] - [Create Your Picture] - [Browse for one] - Select OLYMPUS_icon.bmp in [C:\Users\Public\Pictures]	Image file: OLYMPUS_icon.bmp
Theme [Start] - [Settings] - [Personalization] - [Themes] - [Save theme] - Input OLYMPUS 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.		OLYMPUS Theme

–5–

Confirmation items		Setting
Performance setting		

Confirmation items		Setting
[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)

Confirmation items		Setting
Computer name/Auto log-on setting		
[Start] - [Windows System] - [Control Panel] - [System and Security] - [System] - [Rename this PC] Changing computer name, select [Restart later].		Computer name: OLYMPUS-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.	

–6–

–7–

–8–