Express5800/R120h-1M,R120h-2M, R120h-1E,R120h-2E,T120h
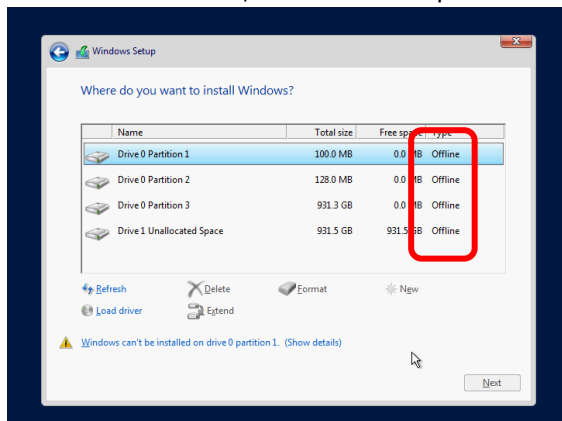## Supplement of Installation Guide (Windows)

Thank you for purchasing our product.

When using the EXPRESSBUILDER E8.10-003.01 (3.10.222), see this supplement before installing Windows. Red lines indicate the changes of *Installation Guide (Windows)*.

Please read carefully the instructions and keep this document for your future reference.

Precautions for Manual installation

If the status of drives are "Offline" state in Windows installer by using "Manual installation" of EXPRESSBUILDER, follow the steps below to continue the installation.

Addition

[Procedure]

1. Click "X" on the upper right of "Windows Setup" wizard.
   Cancel the setup, and then return to the start screen of "Windows Setup".
2. Click "X" on the upper right of the start screen of "Windows Setup" to restart.
3. Press the <F11> key during POST to start the Boot Menu.
4. From **One Time Boot** Menu, select the optical disk drive where the OS installation disc is inserted.
5. The system will start from the OS installation disc. The message "Press any key to boot from CD or DVD…" is displayed on the upper of screen. Press the <Enter> key to start the system from the installation disc.
6. Hereafter, proceed to the Windows OS installation according to the "Installation Guide (Windows)".

About RAID Controllers (N8103-189/190/191/192/193/194/195/201)

See the following changes to install the RAID controller driver.

RAID controllers	N8103-189/190/191/192/193/194/195/201
Case	Manual Installation by EXPRESSBUILDER

Locations	Installation Guide (Windows) "Manual Installation"
	   - Windows Server 2016: *3.3.3 Installation procedure* Steps 18, 19, 20
	   - Windows Server 2012 R2: *4.3.3 Installation procedure* Steps 18, 19, 20

New   * **Underlines** indicate the changes of guide.

18. The "Select Windows installation location" screen is displayed.

    If the driver was loaded in steps 12 and 13, or **if the RAID controller is not in use,**   Addition

    proceed to step 21. If you select **Load driver** here, the following screen will be

    displayed.

Loading the driver
To install the device driver of the drive, insert the installation media that contains the driver file and click **OK**. Note: The installation media is a CD, DVD, or USB flash drive.   Browse (B)   OK   Cancel

19. After setting the Starter Pack DVD in the UBS-DVD drive, assign a file directory, and click **OK**.

    ● onboard RAID Controller

    Express5800/R120h-1M, R120h-2M

    　<*Starter Pack DVD*>:¥software¥001¥drivers¥sw_raid1_driver

    Express5800/R120h-1E, R120h-2E, T120h

    　<*Starter Pack DVD*>:¥software¥002¥drivers¥sw_raid1_driver

    ● RAID Controller (N8103-189/190/191/192/193/194/195/201)

    Express5800/R120h-1M, R120h-2M

    　<*Starter Pack DVD*>:¥software¥001¥drivers¥dac1_driver   Addition

    Express5800/R120h-1E, R120h-2E, T120h

    　<*Starter Pack DVD*>:¥software¥002¥drivers¥dac1_driver

20. Select the following driver from the displayed list of drivers, and click **Next**.

    ● onboard RAID Controller

    　HPE Smart Array S100i SR Gen10 SW RAID

    ● RAID Controller (N8103-189/192)

    　HPE Smart Array E208i-a SR Gen10

    ● RAID Controller (N8103-190/193)

    　HPE Smart Array P408i-a SR Gen10

    ● RAID Controller (N8103-191/194)

    　HPE Smart Array P816i-a SR Gen10   Addition

    ● RAID Controller (N8103-195)

    　HPE Smart Array E208i-p SR Gen10

    ● RAID Controller (N8103-201)

    　HPE Smart Array P408i-p SR Gen10

About installation of LAN drivers (N8104-176/186)

When using N8104-176/186, see the following supplement to install LAN drivers.

LAN boards	N8104-176/186 * Model T120h only supports N8104-186.
Cases	Assisted Installation by EXPRESSBUILDER Manual Installation by EXPRESSBUILDER
Locations	Installation Guide (Windows) - Windows Server 2016: *3.5.1 Installing the LAN drivers* - Windows Server 2012 R2: *4.5.1 Installing the LAN drivers*

Old	However, if N8104-176/186 is used, "Standard Program Package" has to be applied again for LAN driver installation. If the OS is setup by either "Assisted" or "Manual" option, "Standard Program Package" has to be applied twice to install the driver of N8104-176/186.
New	Install the Standard Program Package before using N8104-176/186.

About EXPRESSBUILDER

The following description indicates the changes of *Installation Guide (Windows)* when the EXPRESSBUILDER E8.10-003.01 (3.10.222) is used.

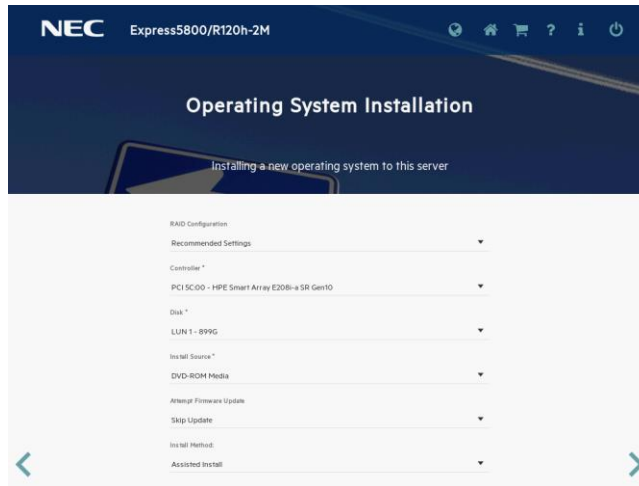| Case	Assisted Installation by EXPRESSBUILDER
Locations	Installation Guide (Windows) "Assisted Installation" - Windows Server 2016: *3.2.3 Installation procedure* Step 4 - Windows Server 2012 R2: *4.2.3 Installation procedure* Step 4

New   * **Underlines** indicate the changes of guide.

4. Choose **Assisted Install** of **Install Method**.

Specify the following if necessary, and then click the "**>**" icon of the lower right of the screen.

Note	When choosing **DVD-ROM Media** or **USB** at **Install Source**, click "**>**" icon after setting the media.

- RAID Configuration

  Choose Keep Current Setting after configuring a RAID array by SSA or System Utilities when using RAID controller.

- Controller

  Choose the controller of installation destination.

- Disk

  Choose the disk of installation destination.

- Install Source

  Choose an OS installation source from the following types.

DVD-ROM Media	DVD-ROM	
File on a USB drive	USB flash drive	
SMB/CIFS (Windows Share)	Network sharing folder	New
An anonymous FTP server	**This option is not available.**	
Install ClearOS from the Internet	**This option is not available.**	Addition

  Each media supports the following file format.

File on a USB drive	Flat, ISO
SMB/CIFS (Windows Share)	Flat, ISO

  Flat : a standard folder/file structure
  ISO : single ISO or UDF file

- Attempt Firmware Update

  Choose **Skip Update**. The other options are not available.

- Install Method

  Choose **Assisted Install**.

Case	Assisted Installation by EXPRESSBUILDER
Locations	Installation Guide (Windows) "Assisted Installation" - Windows Server 2016: *3.2.3 Installation procedure* Step 6 - Windows Server 2012 R2: *4.2.3 Installation procedure* Step 6

New   * **Underlines** indicate the changes of guide.

6. On the following screen, specify settings for the OS installation. Set your time zone to **Greenwich Mean Time (GMT)~**.

New

You can enable the functions of Windows, if necessary.

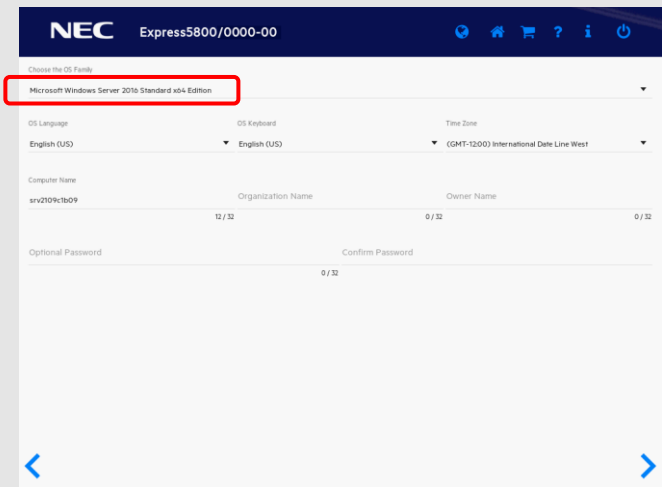| Install the HyperV role on this system	The HyperV role can be enabled.
Enable Windows Firewall	Windows Firewall can be enabled.

Addition

Note   **Optional Password** can be used alphanumeric characters only.
If a sign (such as "!") is included, an error message will appear.

Case	Manual Installation by EXPRESSBUILDER
Locations	Installation Guide (Windows) "Manual Installation" - Windows Server 2016: *3.3.3 Installation procedure* Step 6 - Windows Server 2012 R2: *4.3.3 Installation procedure* Step 6

New

Step 6 screen does not appear. Skip this step and go to Step 7.

Old	6. The next settings are not needed. Click "**>**" icon of lower right of the screen.
New	Go to Step 7.（Step 6 screen does not appear)