

FUJITSU Desktop ESPRIMO Q956/MRE Quick Setup Guide

This document explains how to setup the software for FUJITSU ESPRIMO Q956/MRE and the environment for proper operations.

Intel® Unite™ Server Installation¹

■ Prerequisites for Intel® Unite™ Server device:

- OS needed for S/W package: Microsoft Server 2008 or later
- Installed role of Microsoft Internet Information Services and ASP.NET 4.5 role services
 - ✧ Create a self-signed certificate or use an already existing certificate for secure http communication
 - ✧ Bind https connection service (port 443) to the related certificate
- Microsoft .Net 4.5 framework
- Access to Microsoft SQL Server (Mixed Mode Authentication configured) for database creation
 - ✧ If no SQL Server is available in the enterprise environment, a Microsoft SQL Server can be installed locally on the Intel® Unite™ Server device (Microsoft .Net 3.5 framework is required for this operation)
 - ✧ "Database Engine Services" and "Management Services Complete" need to be installed
- Optional defined DNS SRV record "_uniteservice" in DNS server to deliver the Intel® Unite™ Server FQDN to ESPRIMO Q956/MRE (Intel® Unite™ Hub) and to Intel® Unite™ Client for automatic detection of the server device

■ Installation of Intel® Unite™ Server package:

- Copy the software installer package from the delivered product DVD to the server device
 - ✧ {DVD drive}:\Intel Unite Server.mui.msi
 - Run the installer package
 - Set the name of related SQL server and "Test Connection"
 - Set password for "UniteServiceUser" – (min 8 characters: upper case, lower case, symbols and digits are required)
 - Add the option to create "Intel® Unite™ Server" database and select that "Entire feature will be installed on local hard drive"
 - Complete the installation
 - Check Intel® Unite™ Server operation and access
 - ✧ Open <http://{Unite server FQDN}/Download>
 - ✧ Open <https://{Unite server FQDN}/Unite>
 - ✧ Open <https://{Unite server FQDN}/Admin>
- in case of access problems check once again ASP.NET 4.5 availability and optionally repair .Net 4.5 framework installation!

For detailed information please check the Intel® Unite™ Enterprise Deployment Guide available on the Fujitsu Support page for the FUJITSU ESPRIMO Q956/MRE.

¹ Intel® and Intel® Unite™ are trademarks of Intel Corporation in the U.S. and/or other countries.

Intel® Unite™ Client Installation¹

■ Prerequisites for Intel® Unite™ Client device:

- OS needed for S/W package: Microsoft Windows 7, Windows 8, Windows 8.1 or Windows 10.

■ Installation of Intel® Unite™ Client package:

- Copy/Install the software installer package either from the delivered product DVD to the client device
 - ✧ {DVD drive}:\Intel Unite Client.mui.msi
- or install it from the Intel® Unite™ Server Download web page
 - ✧ <http://{Unite server FQDN}/Download>
- Run the installer package
- Read and accept the License Agreement
- Select the operation mode you want to install – this must be consistent for Intel® Unite™ Hub and Client
 - ✧ Standalone mode for operation in a “flat network” (single IP subnet) without an Intel® Unite™ Server
 - ✧ Enterprise mode for operation in a large enterprise network with the need of an Intel® Unite™ Server
- In case of Enterprise mode, choose the connection method to the Intel® Unite™ Server
 - ✧ Use “Automatic Find Server” if a DNS SRV record has been configured
 - ✧ Specify the Intel® Unite™ Server hostname (FQDN)
- Complete the installation process
- Optional:
 - ✧ Add/Create registry key HKEY_LOCAL_MACHINE\SOFTWARE\Intel\Unite
 - ✧ Add DWORD **DisableCheckCertificateChain** = 1
This will omit the message that there is an unknown certificate
- Optional:
 - ✧ Add/Create registry key HKEY_LOCAL_MACHINE\SOFTWARE\Intel\Unite
 - ✧ Add DWORD **DisableUsageCollection** = 1
This will block all telemetry data collection
- Start Intel® Unite™ Client application and answer the “Privacy Statement”
- In case of Standalone mode operation input of a “Shared Key” is required once.
This “Shared Key” must be the same for Intel® Unite™ Client and Hub, because it is used for data encryption.
- In case of Enterprise mode operation it might be necessary to accept the server certificate provided.
- Allow the Intel® Unite™ Client to pass the firewall for your network connection

For detailed information please check the Intel® Unite™ Enterprise Deployment Guide available on the Fujitsu Support page for the FUJITSU ESPRIMO Q956/MRE.

For detailed information about the operation of Intel® Unite™ Client please check the Intel® Unite™ User Guide available on the Fujitsu Support page for the FUJITSU ESPRIMO Q956/MRE.

¹ Intel® and Intel® Unite™ are trademarks of Intel Corporation in the U.S. and/or other countries.

Intel® Unite™ Hub Installation - FUJITSU Desktop ESPRIMO Q956/MRE¹

■ Prerequisites for ESPRIMO Q956/MRE (Intel® Unite™ Hub device):

- For installation a mouse and keyboard connected to the ESPRIMO Q956/MRE is required
- Standard operation of ESPRIMO Q956/MRE does not require the use of mouse or keyboard

■ Installation of Intel® Unite™ Hub package:

- Power on your ESPRIMO Q956/MRE
- Finalize the OS installation procedure
 - ✧ Select the OS language to install
 - ✧ Set user account name and password – this will be the **administration** account for your ESPRIMO Q956/MRE
 - ✧ Skip connection to wireless networks (that might be changed later, if needed); it is recommended to operate the ESPRIMO Q956/MRE on a wired network
 - ✧ Finalize OS installation
 - ✧ **Restart your ESPRIMO Q956/MRE !**
- ✧ Login to your ESPRIMO Q956/MRE again
- ✧ For management purposes you might change remote settings of the ESPRIMO Q956/MRE, to allow remote access for system administration
- ✧ Create a new user – for security reasons without any administration rights – who will run the presentation application (Intel® Unite™ Hub) by default
- ✧ Configure the ESPRIMO Q956/MRE to automatically start with that new user account created:
run "control userpasswords2" in a command shell and configure that new user account, not to request a password

■ Manual Installation of Intel® Unite™ Hub package:

- Start the installer package "Intel Unite Hub Installer", which you can find under the according directory link provided on the desktop
- Read and accept the License Agreement
- Select the operation mode you want to install – this must be consistent for Intel® Unite™ Hub and Client
 - ✧ Standalone mode for operation in a "flat network" (single IP subnet) without an Intel® Unite™ Server
 - ✧ Enterprise mode for operation in a large enterprise network with the need of an Intel® Unite™ Server
- In case of Enterprise mode, choose the method to connect to the Intel® Unite™ Server
 - ✧ Use "Automatic Find Server", if a DNS SRV record has been configured
or
 - ✧ Specify the Intel® Unite™ Server hostname (FQDN)
- Continue until the installation process finishes
- Answer the "Privacy Statement"
- Allow the Intel® Unite™ Hub to pass the firewall for your network connection
- Optional - **needed in case of a self-signed certificate for the Intel® Unite™ Server**
 - ✧ Add/Create registry key HKEY_LOCAL_MACHINE\SOFTWARE\Intel\Unite
 - ✧ Add DWORD: DisableCheckCertificateChain = 1
- Optional
 - ✧ Add/Create registry key HKEY_LOCAL_MACHINE\SOFTWARE\Intel\Unite
 - ✧ Add DWORD: DisableUsageCollection = 1
This will block all telemetry data collection
- Make sure the ESPRIMO Q956/MRE is connected to your network
- Restart the ESPRIMO Q956/MRE

¹ Intel® and Intel® Unite™ are trademarks of Intel Corporation in the U.S. and/or other countries.

- Now it should automatically login with the new user account created for operation of the Intel® Unite™ Hub¹ application. If this fails, login again with the administrator account and run the command "control userpasswords2" again. Then restart the ESPRIMO Q956/MRE once again
- Start Intel® Unite™ Hub application and answer the "Privacy Statement"
- Now the ESPRIMO Q956/MRE should already begin requesting a pin-number from the Intel® Unite™ Server and will show it in the upper right corner of the display

Configuring the ESPRIMO Q956/MRE for best practice operation:

- Auto-login to ESPRIMO Q956/MRE, with the created user account for Intel® Unite™ Hub operation
- Modify the power settings to
 - ✧ Turn off the monitor: Never
 - ✧ Put the computer to sleep: Never
- Change the "Notification Icons" settings
 - ✧ Turn off all System Icons
 - ✧ Hide all "Icons and Notification on the Taskbar"
- Change Desktop Personalization
 - ✧ Check that Screen Saver is disabled
 - ✧ Change Desktop Icon Settings
 - Remove check for Recycle Bin to be displayed
 - Remove check for the themes to be able to change settings
 - ✧ Remove all remaining icons from desktop and taskbar
- Add a new string value to registry key

HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Winlogon

The STRING value to add: Shell = "{Path to Intel Unite Hub}\Intel Unite.exe"

This will automatically start the Intel® Unite™ Hub application for the current user after auto-login, with very limited further functionality

■ **Configuring the Intel® Unite™ Server for best practice operation of ESPRIMO Q956/MRE:**

- Browse to <https://{Unite Server FQDN}/Admin>
- Login as: Admin@Server.com, Password: Admin@1
- Go to "Groups" → "Profiles"
- Select "Details" of the "default" profile
- Activate and save
 - ✧ Full Screen Room Mode
 - ✧ Full Screen Room Mode Show Pin
 - ✧ Hub Lock Keyboard

■ **Configuring the ESPRIMO Q956/MRE BIOS settings for improved secure operation:**

- Set "Legacy USB Support" in "USB Configuration" to DISABLED and configure USB Port Security according to your need
- Set "Administrator Password" for secure access to BIOS setup
- Set "Boot Removable Media" to DISABLED
- Disable all Boot Options but the internal hard disk
- If usage of presence sensor device is planned, set
 - ✧ USB Power to "Always On"
 - ✧ Hibernate like Soft Off to "Disabled"
 - ✧ Low Power Soft Off to "Disabled"

For detailed information please check the Intel® Unite™ Enterprise Deployment Guide available on the Fujitsu Support page for the FUJITSU ESPRIMO Q956/MRE.

¹ Intel® and Intel® Unite™ are trademarks of Intel Corporation in the U.S. and/or other countries.

Fujitsu and the Fujitsu logo are trademarks or registered trademarks of Fujitsu Limited in Japan and other countries.
ESPRIMO is a registered trademark of Fujitsu Technology Solutions GmbH or its affiliates in Germany and in other countries.

Intel® and Intel® Unite™ are trademarks of Intel Corporation in the U.S. and/or other countries.

Microsoft and Windows are trademarks or registered trademarks of Microsoft Corporation in the U.S. and/or other countries.

Other company and product names mentioned herein may be trademarks of their respective companies.

Information in this document is subject to change without notice.

©2016 Fujitsu Technology Solutions GmbH.

All Rights reserved.

Every effort has been made to ensure that the information in this manual is accurate. Fujitsu Technology Solutions GmbH is not responsible for printing or clerical errors.

The contents of this document may change for improvements without prior notice.

Unauthorized reproduction of this document is prohibited.