

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.

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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.

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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

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- 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.

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