



PROPRIETARY

Driver Installation Order & Summary Guide

This driver Installation Summary Guide provides detailed information for the following Viglen products. This guide provides information on Hardware ID and associated device driver required to successfully configure Microsoft® operating systems. Two sets of drivers are available:

Full Driver Sets – Contains full driver set for Automatic installation.

INF Driver Package – Contains drivers in extracted INF format for manual driver installation via Device Manager, or use with Microsoft® Deployment toolkit (MDT), Microsoft® System Centre Configuration Manager (SCCM) by importing the device drivers.

Driver DVD: WDXDCD75	Motherboard: Viglen Vig665W Motherboard (TQ77G)
Revision: 1.1 Release Date: 14 August 2014	Viglen Part code: PMPWB665

Unknown / Other Devices in Device Manager (VIG665W):

Hardware Devices Listed in device Manager	Hardware ID	Associated Driver	INF Drivers
IDE ATA/ATPI Controllers			
Standard AHCI 1.0 serial ATA Controller	VEN_8086&DEV_1E02	AHCI	Intel(R) 7 Series C216 Chipset Family SATA AHCI Controller
Other devices			
Audio Device on High Definition Audio Bus	HDAUDIO\FUNC_01&VEN_10EC&DEV_0662&SUBSYS_1C6C010E&REV_1003	Audio	Realtek High Definition Audio
Ethernet Controller	VEN_8086&DEV_1502	LAN driver	Intel(R) 82579LM Gigabit Network Connection
Ethernet Controller	PCI\VEN_168C&DEV_0037&SUBSYS_11951A3B&REV_01	WLAN	Qualcomm Atheros AR1111 Wireless Network Adapter
PCI Serial port	PCI\VEN_8086&DEV_1E3D	AMT	Intel(R) Active Management Technology - SOL
PCI Simple Communication Controller	PCI\VEN_8086&DEV_1E3A	AMT	Intel(R) Management Engine Interface
SM BUS Controller	PCI\VEN_8086&DEV_1E22	Chipset	Intel(R) 7 Series/C216 Chipset Family SMBus Host Controller - 1E22
Universal Serial BUS (USB) controller	PCI\VEN_8086&DEV_1E31	USB3.0	Intel(R) USB 3.0 eXtensible Host Controller
Unknown Device	USB\ROOT_HUB30&VID8086&PID1E31&REV0004	USB3.0	Intel(R) USB 3.0 Root Hub
Video Controller (VGA compatible)	VEN_8086&DEV_0152	VGA Driver	Intel(R) HD Graphics
(Only appears under Windows XP) Unknown Devices	ACPI\VEN_PNP&DEV_0C31	TPM	Trusted Platform Module 1.2
Unknown Device	USB\VID_0BDA&PID_0129&REV_3960	Card reader	Realtek USB 2.0 Card Reader

Important: When downloading drivers from Viglen FTP site, unzip them to a folder and make a note of the download path so that you can find them later.

Note: Not all driver updates require a restart. Even if you're not prompted, we always recommend restarting the system. The driver update process involves changes to the Windows registry and other important areas of your computer and restarting is a good way to confirm that updating drivers hasn't negatively impacted some other area of Windows.



PROPRIETARY

Windows 7 (32 & 64Bit)		Driver/Utility			
		Executable File		Silent Switch	Comments
Installation order		Windows 7 32 Bit	Windows 7 64 Bit		
1	Chipset:	INF_allOS_9.4.0.1027.exe	INF_allOS_9.4.0.1027.exe	setup -s	
2	Onboard Graphics	GFX_Win7_8_8.1_32_10.18.10.3496	GFX_Win7_8_8.1_32_10.18.10.3496		
3	Audio: Realtek* ALC Audio	AUD_Win8.1_Win8_Win7_6.0.1.7240	AUD_Win8.1_Win8_Win7_6.0.1.7240	setup -s	
4	LAN: Intel(R) Gigabit	LAN_Win7_32_PROWin_19.1	LAN_Win7_32_PROWin_19.1	setup -s	
5	Intel(R) Management Engine	MEI_Win7_8_8.1_5.0M_9.5.15.1730_PV	MEI_Win7_8_8.1_5.0M_9.5.15.1730_PV	setup -s	
6	USB3.0	USB_3.0_Win7_1.0.9.254	USB_3.0_Win7_1.0.9.254	setup -s	
7	AHCI/RAID: Intel® Matrix Storage Manager	SetupRST_12.8.0.1016 .exe AHCI_f6flpy-x86_12.8.0.1016	SetupRST_12.8.0.1016.exe AHCI_f6flpy-x64_12.8.0.1016	setup -s	
8	Memory Card Reader	RtsUVStor_6.2.9200.39052_XP-7-8-8-1	RtsUVStor_6.2.9200.39052_XP-7-8-8-1		
9	Wireless LAN	WLAN_Win7-10.0.0.234-whql	WLAN_Win7-10.0.0.234-whql		

***Graphics Driver for External VGA card can be downloaded from Viglen FTP site: <http://www.viglen.co.uk/viglen/support/ftpgraphics.aspx>

INF Driver Package details (DQ77MK-Vig660W): Windows 7

Driver Description	Hardware ID	Version	Date
Intel(R) 7 Series C216 Chipset Family SATA AHCI Controller	PCI\VEN_8086&DEV_1E02&SUBSYS_01191C6C&REV_04\3&11583659&1&FA	12.8.0.1016	08/01/2013
Intel(R) 7 Series/C216 Chipset Family SMBus Host Controller - 1E22	PCI\VEN_8086&DEV_1E22&SUBSYS_011A1C6C&REV_04	9.3.0.1029	07/25/2013
Intel(R) 82579LM Gigabit Network Connection	PCI\VEN_8086&DEV_1502&SUBSYS_00008086&REV_04\3&11583659&1&C8	12.10.28.0	08/21/2013
Intel(R) Active Management Technology - SOL	PCI\VEN_8086&DEV_1E3D&SUBSYS_01091C6C&REV_04\3&11583659&1&B3	9.5.10.1586	06/14/2013
Intel(R) Management Engine Interface	VEN_8086&DEV_1E3A	9.5.15.1730	09/05/2013
Intel(R) Display Audio	HDAUDIO\FUNC_01&VEN_8086&DEV_2806&SUBSYS_80860101&REV_1000	6.16.00.3135	01/15/2014
Intel(R) HD Graphics	PCI\VEN_8086&DEV_0152&SUBSYS_01021C6C&REV_09\3&11583659&1&10	10.18.10.3496	03/11/2014
Realtek High Definition Audio	HDAUDIO\FUNC_01&VEN_10EC&DEV_0662&SUBSYS_1C6C010E&REV_1003	6.0.1.7240	05/06/2014
Renesas Electronics USB 3.0 Host Controller	PCI\VEN_8086&DEV_1E31&SUBSYS_010B1C6C&REV_04	1.0.0.254	18/07/2013
Renesas Electronics USB 3.0 Root Hub	USB\ROOT_HUB30&VID8086&PID1E31&REV0004	1.0.0.254	18/07/2013
Qualcomm Atheros AR1111 Wireless Network Adapter	PCI\VEN_168C&DEV_0037&SUBSYS_11951A3B&REV_01\4&A980518&0&00E1	10.0.0.234	03/11/2013
USB2.0-CRW	USB\VID_0BDA&PID_0129&REV_3960	6.2.9200.39052	08/08/2013

Windows 8 (32 & 64Bit)		Driver/Utility			
		Executable File		Silent Switch	Comments
		Windows 8 32 Bit	Windows 8 64 Bit		
Installation order					
1	Chipset:	INF_allIOS_9.4.0.1027.exe	INF_allIOS_9.4.0.1027.exe	setup -s	
2	Onboard Graphics	GFX_Win7_8_8.1_32_10.18.10.3496	GFX_Win7_8_8.1_32_10.18.10.3496		
3	Audio: Realtek* ALC Audio	AUD_Win8.1_Win8_Win7_6.0.1.7240	AUD_Win8.1_Win8_Win7_6.0.1.7240	setup -s	
4	LAN: Intel(R) Gigabit	LAN_Win8_32_PROWin_19.1	LAN_Win8_64_PROWin_19.1	setup -s	
5	Intel(R) Management Engine	MEI_Win7-8-8-1_9.5.15.17.30	MEI_Win7-8-8-1_9.5.15.17.30	setup -s	
6	AHCI/RAID: Intel® Matrix Storage Manager	SetupRST_12.8.0.1016 .exe AHCI_f6flpy-x86_12.8.0.1016	SetupRST_12.8.0.1016.exe AHCI_f6flpy-x64_12.8.0.1016	setup -s	
7	Memory Card Reader	RtsUVStor_6.2.9200.39052_XP-7-8-8-1	RtsUVStor_6.2.9200.39052_XP-7-8-8-1		

INF Driver Package details (Vlg665W): Windows 8

Driver Description	Hardware ID	Version	Date
Intel(R) 7 Series C216 Chipset Family SATA AHCI Controller	PCI\VEN_8086&DEV_1E02&SUBSYS_01191C6C&REV_04\3&11583659&1&FA	12.8.0.1016	08/01/2013
Intel(R) 7 Series/C216 Chipset Family SMBus Host Controller - 1E22	PCI\VEN_8086&DEV_1E22&SUBSYS_011A1C6C&REV_04	9.3.0.1029	07/25/2013
Intel(R) 82579LM Gigabit Network Connection	PCI\VEN_8086&DEV_1502&SUBSYS_00008086&REV_04\3&11583659&1&C8	12.10.28.0	08/21/2013
Intel(R) Active Management Technology - SOL	PCI\VEN_8086&DEV_1E3D&SUBSYS_01091C6C&REV_04\3&11583659&1&B3	9.5.10.1586	06/14/2013
Intel(R) Management Engine Interface	VEN_8086&DEV_1E3A	9.5.15.1730	09/05/2013
Intel(R) Display Audio	HDAUDIO\FUNC_01&VEN_8086&DEV_2806&SUBSYS_80860101&REV_1000	6.16.00.3135	01/15/2014
Intel(R) HD Graphics	PCI\VEN_8086&DEV_0152&SUBSYS_01021C6C&REV_09\3&11583659&1&10	10.18.10.3496	03/11/2014
Realtek High Definition Audio	HDAUDIO\FUNC_01&VEN_10EC&DEV_0662&SUBSYS_1C6C010E&REV_1003	6.0.1.7240	05/06/2014
Renesas Electronics USB 3.0 Host Controller	PCI\VEN_8086&DEV_1E31&SUBSYS_010B1C6C&REV_04	1.0.0.254	18/07/2013
Renesas Electronics USB 3.0 Root Hub	USB\ROOT_HUB30&VID8086&PID1E31&REV0004	1.0.0.254	18/07/2013
Qualcomm Atheros AR1111 Wireless Network Adapter	PCI\VEN_168C&DEV_0037&SUBSYS_11951A3B&REV_01\4&A980518&0&00E1	10.0.0.234	03/11/2013
USB2.0-CRW	USB\VID_0BDA&PID_0129&REV_3960	6.2.9200.39052	08/08/2013
Qualcomm Atheros AR1111 Wireless Network Adapter	PCI\VEN_168C&DEV_0037&SUBSYS_11951A3B&REV_01	Built in	

Windows 8.1 (32 & 64Bit) Installation order		Driver/Utility			
		Executable File		Silent Switch	Comments
		Windows 8.1 32 Bit	Windows 8.1 64 Bit		
1	Chipset:	INF_allOS_9.4.0.1027.exe	INF_allOS_9.4.0.1027.exe	setup -s	
2	Onboard Graphics	GFX_Win7_8_8.1_32_10.18.10.3496	GFX_Win7_8_8.1_32_10.18.10.3496		
3	Audio: Realtek* ALC Audio	AUD_Win8.1_Win8_Win7_6.0.1.7240	AUD_Win8.1_Win8_Win7_6.0.1.7240	setup -s	
4	LAN: Intel(R) Gigabit	LAN_Win8_32_PROWin_19.1	LAN_Win8_64_PROWin_19.1	setup -s	
5	Intel(R) Management Engine	MEI_Win7-8-8-1_9.5.15.17.30	MEI_Win7-8-8-1_9.5.15.17.30	setup -s	
6	AHCI/RAID: Intel® Matrix Storage Manager	SetupRST_12.8.0.1016 .exe AHCI_f6flpy-x86_12.8.0.1016	SetupRST_12.8.0.1016.exe AHCI_f6flpy-x64_12.8.0.1016	setup -s	
7	Memory Card Reader	RtsUVStor_6.2.9200.39052_XP-7-8-8-1	RtsUVStor_6.2.9200.39052_XP-7-8-8-1		

INF Driver Package details (Vlg665W): Windows 8.1

Driver Description	Hardware ID	Version	Date
Intel(R) 7 Series C216 Chipset Family SATA AHCI Controller	PCI\VEN_8086&DEV_1E02&SUBSYS_01191C6C&REV_04\3&11583659&1&FA	12.8.0.1016	08/01/2013
Intel(R) 7 Series/C216 Chipset Family SMBus Host Controller - 1E22	PCI\VEN_8086&DEV_1E22&SUBSYS_011A1C6C&REV_04	9.3.0.1029	07/25/2013
Intel(R) 82579LM Gigabit Network Connection	PCI\VEN_8086&DEV_1502&SUBSYS_00008086&REV_04\3&11583659&1&C8	12.10.28.0	08/21/2013
Intel(R) Active Management Technology - SOL	PCI\VEN_8086&DEV_1E3D&SUBSYS_01091C6C&REV_04\3&11583659&1&B3	9.5.10.1586	06/14/2013
Intel(R) Management Engine Interface	VEN_8086&DEV_1E3A	9.5.15.1730	09/05/2013
Intel(R) Display Audio	HDAUDIO\FUNC_01&VEN_8086&DEV_2806&SUBSYS_80860101&REV_1000	6.16.00.3135	01/15/2014
Intel(R) HD Graphics	PCI\VEN_8086&DEV_0152&SUBSYS_01021C6C&REV_09\3&11583659&1&10	10.18.10.3496	03/11/2014
Realtek High Definition Audio	HDAUDIO\FUNC_01&VEN_10EC&DEV_0662&SUBSYS_1C6C010E&REV_1003	6.0.1.7240	05/06/2014
Renesas Electronics USB 3.0 Host Controller	PCI\VEN_8086&DEV_1E31&SUBSYS_010B1C6C&REV_04	1.0.0.254	18/07/2013
Renesas Electronics USB 3.0 Root Hub	USB\ROOT_HUB30&VID8086&PID1E31&REV0004	1.0.0.254	18/07/2013
Qualcomm Atheros AR1111 Wireless Network Adapter	PCI\VEN_168C&DEV_0037&SUBSYS_11951A3B&REV_01\4&A980518&0&00E1	10.0.0.234	03/11/2013
USB2.0-CRW	USB\VID_0BDA&PID_0129&REV_3960	6.2.9200.39052	08/08/2013
Qualcomm Atheros AR1111 Wireless Network Adapter	PCI\VEN_168C&DEV_0037&SUBSYS_11951A3B&REV_01	Built in	

Board support for legacy operating systems

Drivers for older operating systems that Microsoft has discontinued or does not fully support should be considered AS-IS in respect to features, function, debugging and usability. Viglen will not provide drivers or technical support for them as these operating systems have not been fully validated and not all the drivers are available. These operating systems include Windows Vista, Windows XP Editions, Windows ME, Windows 2000 Professional Edition, Windows NT, Windows 98 Standard Edition (SE), Windows 98 and Windows 95. Please refer to the following Microsoft sites for more information:

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<http://support.microsoft.com/gp/lifepolicy>*

<http://support.microsoft.com/gp/lifeselect>*

<http://windows.microsoft.com/en-us/windows/products/lifecycle>*

Windows XP (32 & 64Bit)		Driver/Utility			
		Executable File		Silent Switch	Comments
Installation order		Windows XP 32 Bit	Windows XP 64 Bit		
1	Chipset:	INF_allIOS_9.4.0.1027.exe	INF_allIOS_9.4.0.1027.exe	setup -s	
2	Onboard Graphics**	GFX_XP32_6.14.10.5437.exe	GFX_XP64_6.14.10.5437.exe		
3	Audio: Realtek* ALC Audio	AUD_WinXP-7-8-8-1_6.0.1.7040	AUD_WinXP-7-8-8-1_6.0.1.7040	setup -s	
4	LAN: Intel(R) Gigabit	LAN_Intel_PROWinXP_32_18.3.exe	LAN_Intel_PROWinXP_32_18.3.exe	setup -s	
5	Intel(R) Management Engine	MEI_allIOS_5.0M_8.1.40.1416.zip	MEI_allIOS_5.0M_8.1.40.1416.zip	setup -s	
6	AHCI/RAID: Intel® Matrix Storage Manager	STOR_Win7_8_12.5.0.1066_f6flpy-x86.zip STOR_Win7_8_12.5.0.1066.exe	STOR_Win7_8_12.5.0.1066_f6flpy-x64.zip STOR_Win7_8_12.5.0.1066.exe	setup -s	
7	TPM 1.2 module	TPM_allXP_6.1.42.2035_PV_Nuvoton	TPM_allXP_6.1.42.2035_PV_Nuvoton.zip		
8	Card Reader	RtsUVStor_6.2.9200.39052_XP-7-8-8-1	RtsUVStor_6.2.9200.39052_XP-7-8-8-1		
9	Wireless	WLAN_XP-9.2.0.462	WLAN_XP-9.2.0.462		

***Before installing VGA drivers, Microsoft .Net 3.5 or higher version must be installed. Microsoft .Net can be downloaded from following URL: <http://www.microsoft.com/net/>. Microsoft.net 3.5 and 4.0 is also available on the Driver DVD under "Others" Folder*

PROPRIETARY

Other Drivers/Software

The following table lists WinPE, NDIS2 Lan drivers and Microsoft update/patch list.

Driver/Utility		
Folder Name	Win PE LAN driver	NDIS2_DOS
Win_PE_NDIS2_LAN_Driver	LAN_Intel_XP-32bit_12.6.45.0	DOS_LAN_NDIS2
	LAN_Intel_Win7_32Bit_12.10.28.0	
	LAN_Intel_Win7_64Bit_12.10.28.0	
	LAN_Intel_Win8_32Bit_12.10.28.0	
	LAN_Intel_Win8_64Bit_12.10.28.0	
	LAN_Intel_Win8.1_64Bit_12.10.28.0	
Others	Microsoft .Net 3.5SP1	

Drivers and latest BIOS are available from Viglen FTP site:

Vig665W - <http://download.viglen.co.uk/files/Motherboards/Vig665W/>

Graphics Cards

*** Graphics Driver for External VGA card can be downloaded from Viglen FTP site: <http://www.viglen.co.uk/viglen/support/ftpgraphics.aspx> or

AMD ATI - <http://support.amd.com/us/gpudownload/Pages/index.aspx>

nVidia - <http://www.nvidia.com/Download/index.aspx?lang=en-us>

Microsoft .Net can be downloaded from following URL: <http://www.microsoft.com/net/>. Microsoft.net 3.5 and 4.0 is also available on the Driver DVD under "Others" Folder

For BIOS, Drivers and Documentation enquiries please contact Viglen Technical Support Department on technical@viglen.co.uk.

Remember to include your PC serial number in all correspondence.