

## 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: <b>WDXDCD80</b>	Motherboard: <b>VIG750S, VIG760S, VIG830S Vig850G, Vig870G</b>
Revision: <b>1.3</b> Release Date: <b>May 2017</b>	Viglen Part code: <b>PMPMAS750, PMPMAS760, PMPAS830, PMPGG850, PMPGG870</b>

### Intel(R) Rapid Storage Technology Enterprise Driver:

Bios SATA Controller Mode	Controller
AHCI	Intel(R) 100 Series/C230 Chipset Family SATA AHCI Controller
RAID	Intel Chipset SATA RAID Controller

### Unknown / Other Devices in Device Manager (Vig750S/Vig760S/Vig830S, Vig850G):

Hardware Devices Listed in device Manager	Hardware ID	Associated Driver	INF Drivers
<b>IDE ATA/ATPI Controllers</b>			
Standard AHCI 1.0 serial ATA Controller	VEN_8086&DEV_A102	AHCI	Intel(R) 100 Series/C230 Chipset Family SATA AHCI Controller
Intel Chipset SATA RAID Controller	VEN_8086&DEV_2822&SUBSYS_86941043&	RAID	Intel Chipset SATA RAID Controller
<b>Other devices</b>			
Audio Device on High Definition Audio Bus	HDAUDIO\FUNC_01&VEN_8086	Display	Intel(R) Display Audio
Audio Device on High Definition Audio Bus	VEN_10EC&DEV_0887	Audio	Realtek High Definition Audio
Ethernet Controller ( <b>Vig750S/Vig830S,Vig850G</b> )	VEN_8086&DEV_15B7	LAN	Intel(R) Ethernet Connection (2) I219-LM
Ethernet Controller ( <b>Vig750S/Vig760S</b> )	VEN_10EC&DEV_8168&SUBSYS_86771043&REV_15	LAN	Realtek PCIe GBE Family Controller
PCI Serial port	VEN_8086&DEV_A13D&SUBSYS_86941043&REV_31	AMT	Intel(R) Management Technology-SOL
PCI Simple Communication Controller	VEN_8086&DEV_A13A	AMT	Intel(R) Management Engine Interfac
SM BUS Controller	VEN_8086&DEV_A123	Chipset	Intel(R) 100 Series/C230 Series Chipset SMBus - A123
Universal Serial BUS (USB) controller	VEN_8086&DEV_A12F	USB3.0	Intel(R) USB 3.0 eXtensible Host Controller
Unknown Device	IUSB3\ROOT_HUB30&VID_8086&PID_A12F&REV_0031&SID_86941043	USB3.0	Intel(R) USB 3.0 Root Hub
Video Controller (VGA compatible)	VEN_8086&DEV_1912	VGA	Intel(R) HD Graphics 530
Unknown Devices	ACPI\MSFT0101	TPM	Trusted Platform Module 2.0

Windows 10 (32 & 64Bit)		Driver/Utility			
Installation order		Executable File		Silent Switch	Comments
		Windows 10 32 Bit	Windows 10 64 Bit		
1	Chipset:	Intel_Chipset_Win7_10_10.1.1.38	Intel_Chipset_Win7_10_10.1.1.38	setup -s	
2	Onboard Graphics*	Intel_Graphics_Win7-81-10_21.20.16.4542_32Bit	Intel_Graphics_Win7-8-10_21.20.16.4542_64Bit	setup -s	
3	Audio: Realtek* ALC Audio	Realtek_Audio_Win7-Win10_V7940	Realtek_Audio_Win7-Win10_V7940	setup -s	
4	LAN: Intel(R) Gigabit	Intel(R) LAN_ V21.1 Win32.exe	Intel(R) LAN_ V21.1 Winx64.exe	setup -s	
	LAN: Realtek PCI GBE Family (vig750s, Vig760S)	Realtek_LAN_Win10_10.10.714.2016	Realtek_LAN_Win10_10.10.714.2016		
5	Intel(R) Management Engine	Intel_ME_Win7_8_10_11.6.0.1032	Intel_ME_Win7_8_10_11.6.0.1032	setup -s	
6	AHCI/RAID: Intel® Matrix Storage Manager	Intel_IRST_Win7-81-10_15.2.1.1028 ACHI_RAID_F6flpy32bit_15.2.1.1028	Intel_IRST_Win7-81-10_15.2.1.1028 ACHI_RAID_F6flpy_64bit_15.2.1.1028	setup -s	
	USB card reader (omnino 5)	RtsUer_10.0.10125.31214_Win10	RtsUer_10.0.10125.31214_Win10		
Optional:					
	External Display (Nvidia)	378.66-desktop-win7-10-32bit-international-whql	378.66-desktop-win7_10-64bit-international-whql		
	WLAN: Intel AC-8260 (Vig750S and Vig850G)	Wireless_19.30.0_PROSet32_Win10	Wireless_19.30.0_PROSet64_Win10		

**Onboard Graphics\***

7th Gen Intel(R) Core(TM) processor family (Codename Kaby Lake)  
Microsoft Windows\* 10-64

6th Gen Intel(R) Core(TM) processor family (codename Skylake)  
Microsoft Windows\* 7-64  
Microsoft Windows\* 8.1-64  
Microsoft Windows\* 10-64

**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.

Installation order		Driver/Utility			
		Executable File		Silent Switch	Comments
		Windows 7 32 Bit	Windows 7 64 Bit		
<b>1</b>	Chipset:	Intel_Chipset_Win7_10_10.1.1.38	Intel_Chipset_Win7_10_10.1.1.38	setup -s	
<b>2</b>	Onboard Graphics	Intel_Graphics_Win7-81-10_V2019154416	Intel_Graphics_Win7-81-10_21.20.16.4542_32Bit	setup -s	
<b>3</b>	Audio: Realtek* ALC Audio	Realtek_Audio_Win7-Win10_V7940	Realtek_Audio_Win7-Win10_V7940	setup -s	
<b>4</b>	LAN: Intel(R) Gigabit (Vig750S/Vig830S)	Intel_Lan_Win7-81-10_V2023001-2024001	Intel_Lan_Win7-81-10_V2023001-2024001	setup -s	
	LAN: Realtek PCI GBE Family (Vig750s,Vig760S)	Realtek_LAN_Win7_7.092.0115.2015	Realtek_LAN_Win7_7.092.0115.2015		
<b>5</b>	Intel(R) Management Engine	Intel_ME_Win7_8_10_11.6.0.1032	Intel_ME_Win7_8_10_11.6.0.1032	setup -s	
<b>6</b>	USB3.0	Intel_USB3_Win7_V40036_Win81_V10042	Intel_USB3_Win7_V40036_Win81_V10042	setup -s	
<b>7</b>	AHCI/RAID: Intel® Matrix Storage Manager	ACHI_RAID_F6flpy32bit_15.2.1.1028 Intel_IRST_Win7-81-10_15.2.1.1028	ACHI_RAID_F6flpy_64bit_15.2.1.1028 Intel_IRST_Win7-81-10_15.2.1.1028	setup -s	
<b>8</b>	TPM	TPM_Win7_Only	TPM_Win7_Only		Patch
<b>9</b>	*Microsoft NetFX	Microsoft. Net 4.5.2	Microsoft. Net 4.5.2		
	External Display (Nvidia)	378.66-desktop-win7-10-32bit-international-whql	378.66-desktop-win7_10-64bit-international-whql		
	WLAN: Intel AC-8260 (Vig750S and Vig850G)	Wireless_19.20.3_PROSet32_Win7	Wireless_19.20.3_PROSet64_Win7		

\*Microsoft .Net must be installed before installation the drives. Without Microsoft .net some drives cannot be installed

**Windows 7 Infromation:**

No Intel Graphics driver are available for Windows 7 for 7<sup>th</sup> gen processor.



PROPRIETARY

**INF Driver Package details (Vig830S & Vig850G)**

Driver Description	Class	Version	Date
Intel(R) 100 Series/C230 Chipset Family SATA AHCI Controller	AHCI	15.2.1.1028	09/26/2016
Intel Chipset SATA RAID Controller	RAID	15.2.1.1028	09/26/2016
Intel(R) 100 Series/C230 Series Chipset Family LPC Controller - A146	Chipset	10.1.1.38	10/03/2016
Intel(R) 100 Series/C230 Series Chipset Family PCI Express Root Port #1 - A110	Chipset	10.1.1.38	10/03/2016
Intel(R) 100 Series/C230 Series Chipset Family PCI Express Root Port #1 - A110	Chipset	10.1.1.38	10/03/2016
Intel(R) 100 Series/C230 Series Chipset Family PCI Express Root Port #9 - A118	Chipset	10.1.1.38	10/03/2016
Intel(R) 100 Series/C230 Series Chipset Family PCI Root Port #17 - A167	Chipset	10.1.1.38	10/03/2016
Intel(R) 100 Series/C230 Series Chipset PCI Express Root Port #11 - A11A	Chipset	10.1.1.38	10/03/2016
Intel(R) 100 Series/C230 Series Chipset PMC - A121	Chipset	10.1.1.38	10/03/2016
Intel(R) 100 Series/C230 Series Chipset SMBus - A123	Chipset	10.1.1.38	10/03/2016
Intel(R) 82802 Firmware Hub Device	Chipset	10.1.1.38	10/03/2016
Intel(R) Xeon(R) E3 - 1200/1500 v5/6th Gen Intel(R) Core(TM) PCIe Controller (x16) - 1901	Chipset	10.1.1.38	10/03/2016
Intel(R) HD Graphics	Intel Graphics	21.20.16.4542	10/24/2016
Intel(R) Display Audio	Display Audio	6.16.00.3197	05/10/2016
Realtek High Definition Audio	Audio	6.0.1.7940	09/20/2016
Intel(R) Ethernet Connection (2) I219-LM	LAN	12.15.23.7	07/26/2016
Intel(R) Management Engine Interface	AMT	11.6.0.1032	09/15/2016
Intel(R) Active Management Technology - SOL	AMT	11.6.0.1009	06/20/2016
Trusted Platform Module 2.0	TPM	-	-
Intel(R) USB 3.0 eXtensible Host Controller	USB3.0	4.0.0.36	15-06-2015
Intel(R) USB 3.0 Root Hub	USB3.0	4.0.0.36	15-06-2015

**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.

**Other Drivers/Software**

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

Driver/Utility		
Folder Name	Intel	Realtek Vig750S/Vig760S
Win_PE_NDIS2_LAN_Driver	PXE	<b>NDIS2-1.52</b>
	RIS	
	WinPE	
Microsoft. Net 4.5.2	Microsoft .Net 4.5.2	



PROPRIETARY

Drivers and latest BIOS are available from Viglen FTP site:

Vig750S - <http://download.viglen.co.uk/files/Motherboards/Vig750S/>

Vig760S - <http://download.viglen.co.uk/files/Motherboards/Vig760S/>

Vig830S - <http://download.viglen.co.uk/files/Motherboards/Vig830S/>

Vig850G - <http://download.viglen.co.uk/files/Motherboards/Vig850G/>

Vig870G - <http://download.viglen.co.uk/files/Motherboards/Vig870G/>

### **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 4.5.2 is also available on the Driver DVD*

For BIOS, Drivers and Documentation enquiries please contact Viglen Technical Support Department on [technical@viglen.co.uk](mailto:technical@viglen.co.uk). Remember to include your PC serial number in all correspondence.