

## 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).

Driver DVD: <b>WDXDCD71</b>	Motherboard: <b>Viglen Vig430P</b>
Revision: <b>1.0</b> Release Date: <b>Apr 2013</b>	Viglen Part code: <b>PMP5M430</b>

### Intel Matrix Storage Manager Driver:

Bios SATA Controller Mode	Controller
AHCI	Intel(R) C600 Series Chipset SATA AHCI Controller
RAID	Intel(R) C600 Series Chipset SAS RAID Controller

### Unknown / Other Devices in Device Manager:

Hardware Devices Listed in device Manager	Hardware ID	Associated Driver	INF Drivers
<b>IDE ATA/ATAPI Controllers</b>			
Standard AHCI 1.0 serial ATA Controller	VEN_8086&DEV_1D02&SUBSYS_063515D9&REV_06	AHCI	Intel(R) C600 Series Chipset SATA AHCI Controller
SAS Controller	VEN_8086&DEV_1D6B&SUBSYS_063515D9&REV_06	RAID	Intel(R) C600 Series Chipset SAS RAID (SATA Mode)
<b>Other devices</b>			
High Definition Audio Device	HDAUDIO\FUNC_01&VEN_10EC&DEV_0889&SUBSYS_15D90635&REV_1000	Sound Driver	Realtek High Definition Audio
Ethernet Controller	VEN_8086&DEV_10D3&SUBSYS_000015D9&REV_00	LAN driver	Intel(R) 82574L Gigabit Network Connection
SM BUS Controller	VEN_8086&DEV_1D70&SUBSYS_063515D9&REV_06	Chipset	Intel(R) C600/X79 series chipset SMBus Host Controller - 1D70
SM BUS Controller	VEN_8086&DEV_1D22&SUBSYS_063515D9&REV_06	Chipset	Intel(R) C600/X79 series chipset SMBus Host Controller - 1D22
System Interrupt Controller	VEN_8086&DEV_3C2C&SUBSYS_3C2C8086&REV_07	Chipset	Intel(R) Xeon(R) Processor E5 Product Family/Core i7 I/O APIC - 3C2C
Universal Serial BUS (USB) controller	VEN_1033&DEV_0194&SUBSYS_062215D9&REV_04	USB3.0	Renesas Electronics USB 3.0 Host Controller
PCI Data Acquisition and Signal Processing Controller	VEN_8086&DEV_1D24&SUBSYS_063515D9&REV_06	Chipset	Intel(R) C600/X79 series chipset Thermal Management Controller - 1D24
(Only appears under Vista and Windows 7) Unknown Device	NUSB3\ROOT_HUB30&VID_1033&PID_0194&REV_0004&SID_062215D9	USB3.0	Renesas Electronics USB 3.0 Root Hub

**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.

Windows 7 (32 & 64Bit)		Driver/Utility			
		Executable File		Silent Switch	Comments
Installation order		Windows 7 32 Bit	Windows 7 64 Bit		
1	Chipset:	Infinst_autol	Infinst_autol	setup -s	
2	Audio: Realtek HD Audio	Vista_Win7_Win8_R270	Vista_Win7_Win8_R270	setup -s	
3	LAN: Intel(R) Gigabit	PROWin32	PROWinx64	setup -s	
4	USB3.0	Setup.exe	Setup.exe		
5	AHCI/RAID: Intel® Rapid Storage Technology Enterprise (RSTe)	IATA_CD_3.6.0.1093	IATA_CD_3.6.0.1093		

**INF Driver Package details:**

Driver Description	Class	Version	Date
Intel(R) 82574L Gigabit Network Connection	Network Adapters	12.4.38.0	18/06/2012
Intel(R) C600 Series Chipset SAS RAID (SATA mode)	Storage controllers	3.5.0.1092	07/08/2013
Intel(R) C600 Series Chipset SATA AHCI Controller	Storage controllers	3.5.0.1092	07/08/2013
Intel(R) C600 X79 series chipset High Definition Audio Controller - 1D20	System Devices	9.4.0.1014	16/03/2011
Intel(R) C600 X79 series chipset LPC Controller - 1D41	System Devices	9.4.0.1014	08/06/2011
Intel(R) C600 X79 series chipset PCI Express Root Port 1 - 1D10	System Devices	9.4.0.1014	08/06/2011
Intel(R) C600 X79 series chipset PCI Express Root Port 2 - 1D12	System Devices	9.4.0.1014	08/06/2011
Intel(R) C600 X79 series chipset PCI Express Root Port 3 - 1D14	System Devices	9.4.0.1014	08/06/2011
Intel(R) C600 X79 series chipset PCI Express Root Port 2 - 1D12	System Devices	9.4.0.1014	08/06/2011
Intel(R) C600 X79 series chipset PCI Express Virtual Root Port - 1D3E	System Devices	9.4.0.1014	08/06/2011
Intel(R) C600 X79 series chipset SMBus Controller 0 - 1D70	System Devices	9.4.0.1014	08/06/2011
Intel(R) C600 X79 series chipset SMBus Host Controller - 1D22	System Devices	9.4.0.1014	16/03/2011
Intel(R) C600 X79 series chipset Thermal Management Controller - 1D24	System Devices	9.4.0.1014	08/06/2011
Intel(R) C600 X79 series chipset USB2 Enhanced Host Controller #1 - 1D26	Universal Serial Bus controllers	9.2.3.1013	16/03/2011
Intel(R) C600 X79 series chipset USB2 Enhanced Host Controller #2 - 1D2D	Universal Serial Bus controllers	9.2.3.1013	16/03/2011
Intel(R) Xeon(R) Processor E5 Product Family Core i7 DMI2 - 3C00	System Devices	9.4.0.1014	19/07/2011
Realtek High Definition Audio	Sound, video and game controllers	6.0.1.6649	31/05/2012
Renesas Electronics USB 3.0 Host Controller	Universal Serial Bus controllers	2.1.16.0	13/04/2011
Renesas Electronics USB 3.0 Root Hub	Universal Serial Bus controllers	2.1.16.0	13/04/2011

Windows 8 (32 & 64Bit)		Driver/Utility			
		Executable File		Silent Switch	Comments
		Windows 8 32 Bit	Windows 8 64 Bit		
Installation order					
1	Chipset:	Infinst_autol	Infinst_autol	setup -s	
2	Audio: Realtek HD Audio	Vista_Win7_Win8_R270	Vista_Win7_Win8_R270	setup -s	
3	LAN: Intel(R) Gigabit	PROWin32	PROWinx64	setup -s	
4	USB3.0	Setup.exe	Setup.exe		
5	AHCI/RAID: Intel® Rapid Storage Technology Enterprise (RSTe)	IATA_CD_3.6.0.1093	IATA_CD_3.6.0.1093		

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Intel(R) C600 Series Chipset SATA AHCI Controller	Storage controllers	3.5.0.1092	07/08/2013
Realtek High Definition Audio	Sound, video and game controllers	6.0.1.6649	31/05/2012
Renesas Electronics USB 3.0 Host Controller	Universal Serial Bus controllers	2.1.16.0	13/04/2011
Renesas Electronics USB 3.0 Root Hub	Universal Serial Bus controllers	2.1.16.0	13/04/2011

### 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:

<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:	Infinst_autol	Infinst_autol	setup -s	
2	Audio: Realtek HD Audio	WDM_R270	WDM_R270	setup -s	
3	LAN: Intel(R) Gigabit	PRO2K3XP_32	PRO2K3XP_x64	setup -s	
4	USB3.0	Setup.exe	Setup.exe		
5	AHCI/RAID: Intel® Rapid Storage Technology Enterprise (RSTe)	IATA_CD_3.6.0.1093	IATA_CD_3.6.0.1093		

**Other Driver/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_11.15.16.0	DOS_LAN_NDIS2
	LAN_Intel_Win7-32bit_11.15.16.0	
	LAN_Intel_Win7-64bit_11.15.16.0	
	LAN_Intel_Vista-32bit_11.15.16.0	
	LAN_Intel_Vista-64bit_11.15.16.0	
Others	Microsoft .Net 3.5SP1	
	Microsoft .Net 4.0	
	XP Patch: USB Keyboard S3 USB20	

Drivers and latest BIOS are available from Viglen FTP site:

**Vig440J:** <http://download.viglen.co.uk/files/Motherboards/Vig430P/>

**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>

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.