Viglen Remote Management Tool User Guide

I.	Recommended Settings2	
II.	Windows Firewall settings	
III.	Server Setup	
IV.	Client Setup11	
V.	Using the Viglen RMT14	
	BIOS Settings10	5
	Hardware Monitor19	9
	DMI Information20)
	BIOS Update2	1
	Windows Control2	3

Support Motherboard:

- Viglen Vig800S
- ➢ Viglen Vig700S





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Recommended Settings

Before using the Viglen RMT the settings listed below will need to be applied.

- 1. The Viglen Remote Management Tool (RMT) is designed to work with systems configured with Vig700S and Vig800S motherboards.
- 2. Below is a list of supported operating systems.
 - Windows 7 32bit & 64bit
 - Windows 8 64bit
- 3. The Viglen RMT works only in the local area connection (LAN). All systems must be part of the local area network.
- 4. Windows Firewall by default blocks inbound connections to the RMT. Add port or program exceptions in Windows Firewall to overcome this. (This guide shows how to do this).

Note: If a different firewall is used, please refer to its guide for instructions on how to add exceptions.



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Windows Firewall Settings

The server that you will be installing the RMT Tool needs to be configured to allow inbound connections on the chosen port. The default port is set to 3333. Below are the instructions for doing this.

1. Select 'Start', 'Administrative Tools' and then 'Windows Firewall with Advanced Security' to open the window.

 Internet Explorer (64-bit) Internet Explorer Windows Update Accessories Administrative Tools Maintenance Startup 	Calvin Woods Documents Computer Network Control Panel Devices and Printers Administrative Tools	 Remote Desktop Services Component Services Computer Management Data Sources (ODBC) Event Viewer SCSI Initiator Local Security Policy Performance Monitor Security Configuration Wizard Server Manager Services Share and Storage Management Storage Explorer System Configuration Task Scheduler Windows Firewall with Advanced Security Windows PowerShell Modules Windows Server Backup
	Administrative Tools	 Windows PowerShell Modules Windows Server Backup
	Help and Support Run	
✓ Back	Windows Security	
Search programs and files	Log off	
Figure 1: Selecting the	e Windows Firewall with A	Advanced Security option

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2. Select **'Inbound Rules'** in the left window pane and then select **'New Rule'** in the Actions pane on the right.



Figure 2: Creating a new rule for inbound connections

3. The new inbound rule wizard will appear. Select the **'Port'** option and select **'Next'**



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4. Select the **Transmission Control Protocol 'TCP'** option for the rule to apply to these connections. Then select the **'Specific local ports'** option and enter the port number you would like the inbound commands to come through. Select **'Next'** once the port number has been entered.

The default port number is set to 3333.

New Inbound Rule Wizar	ber and the second s
Protocol and Ports	
Specify the protocols and ports	to which this rule applies.
Steps:	
Rule Type	Does this rule apply to TCP or UDP?
Protocol and Ports	• <u>I</u> CP
Action	C <u>U</u> DP
Profile	
Name	Does this rule apply to all local ports or specific local ports?
	C All local ports
	• Specific local ports: [3333]
	. Example: 00, 440, 0000 00 10
	Learn more about protocol and ports
	< Back Next > Cancel
	Figure 4: Setting TCP port number

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5. Select 'Allow the connection' option to allow all connections through this port and then select 'Next'.



Figure 5: Allow connections option

6. Select the appropriate profile for the type of network the server is connected to. In this case they have all been selected.



Figure 6: Selecting appropriate network profile





7. Enter the name of the rule and select **'Finish'**. You can also enter a description for the rule, but this is optional.

Name		
pecify the name and description	of this rule.	
Steps:		
Rule Type		
Protocol and Ports		
Action		
Profile	Name:	
Name	Viglen_RMT	
	Description (optional):	
	< <u>B</u> ack <u>Finish</u> Cance	el

Figure 7: Entering a name for the inbound rule

8. After you have clicked **'Finish'**, you will see the new rule added to the list.

ows Firewall with Advanced !	Inbound Rules									Actions
nbound Rules	Name	Group +	Profile	Enabled	Action	Override	Program	Local A	Remote Ac +	Inbound Rules
onnection Security Rules	Viglen_RMT		All	Yes	Allow	No	Any	Any	Any	New Rule
ionitoring	Active Directory Domain Controller - Echo R	 Active Directory Domain Services 	AI	res	Allow	NO	Any	Any	Any	Thurbur Durfle
	Active Directory Domain Controller - Echo R	Active Directory Domain Services	All	Yes	Allow	No	Any	Any	Any	Y Pitter by Profile
	C Active Directory Domain Controller - LDAP (T.	Active Directory Domain Services	AL	Yes	Allow	No	%syste	Any	Any	Filter by State
	Active Directory Domain Controller - LDAP (0.	Active Directory Domain Services	Al	Yes	Allow	No	%syste	Any	Any	Filter by Group
	Active Directory Domain Controller - NetBIO	. Active Directory Domain Services	Al	Yes	Allow	No	System	Any	Any	View
	Active Directory Domain Controller - CAMA C	Artica Diractoro Domaio Canúrar	All	Var	Allow	R.in	Curtan	Anu	400	
en the abo	ve has been finishec	l, the Viglen R	MT is	s rea	dy t	o be	set u	p.		
en the abo	ve has been finishec	l, the Viglen R	MT i	s rea	dy t	o be	set u	p.		5
en the abo	ve has been finished	l, the Viglen R	MT i	s rea	dy t	o be	set u	p.		Grea
en the abo	ve has been finished	l, the Viglen R	MT is	s rea	dy t	o be	set u	p.		Grea
en the abo	ve has been finished	l, the Viglen R	MT i	s rea	dy t	o be	set u	p.		Grea
en the abo	ve has been finishec	l, the Viglen R	MT i	s rea	dy t	o be	set u	.p.		Grea
en the abo	ve has been finished	l, the Viglen R	MT i	s rea	dy t	o be	set u	.p.		Grea

Server Setup

The following steps will guide you through the necessary changes in order to set up your system as the server.

1. Open Viglen RMT folder and copy the folder **'Server_0.0.4'** into your system.



- 2. Open the 'Server_0.0.4' folder to find a list of folders and files, the files that will need to be edited are located here.

) 🚺 🔹 Server_	0.0.4 -	👻 🐼 Se	arch Server_0.0.4	2	
Organize 🔻 Include in li	orary 🕶 Share with 💌 Burn New folder				III • 🔟 🔞
🔆 Favorites	Name *	Date modified	Туре	Size	
E Desktop	🔒 dientpackage	23/09/2013 13:30	File folder		
Downloads) components	23/09/2013 13:30	File folder		
🕍 Recent Places	DB DB	23/09/2013 16:40	File folder		
I ibrarian)) language	01/07/2013 09:46	File folder		
Documents)) pic	23/09/2013 13:30	File folder		
J Music	Changelog	23/09/2013 18:31	Text Document	2 KB	
E Pictures	iconfig	23/09/2013 13:30	Configuration settings	2 KB	
Videos	i config_full	23/09/2013 13:31	Configuration settings	3 KB	
	log	24/09/2013 17:21	Text Document	105 KB	
Computer	MainServer	23/09/2013 18:23	Application	362 KB	
ANTON (E:)	Mfc100u.dll	11/06/2011 01:58	Application extension	4,320 KB	
	🚳 msvcp 100.dll	11/06/2011 01:58	Application extension	412 KB	
🙀 Network	Smsvcr 100.dll	11/06/2011 01:58	Application extension	756 KB	
	ResourceDLL.dll	18/09/2013 17:00	Application extension	105 KB	

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Figure 10: Contents of Server folder in Viglen RMT



3. Right click on **'config'** (may also be represented as **'config.ini'**) and select **'Edit'** as seen below.

rganize 🔻 📃 Open 🕚	Share with	 Print Burn New fol 	der				8≡ -	
😭 Favorites	Name *			Date modified	Туре	Size		
🧮 Desktop)) dientp	ackage		23/09/2013 13:30	File folder			
Jownloads) compo	nents		23/09/2013 13:30	File folder			
Recent Places	DB DB			23/09/2013 16:40	File folder			
l ibraries	🔒 langua	ge		01/07/2013 09:46	File folder			
Documents	Dic 🔰			23/09/2013 13:30	File folder			
J Music	Chang	elog		23/09/2013 18:31	Text Document	2 KB		
E Pictures	🗿 confi	Open		23/09/2013 13:30	Configuration settings	2 KB		
Videos	🕘 confi	Print		23/09/2013 13:31	Configuration settings	3 KB		
Computer	📄 log	Edit		24/09/2013 17:21	Text Document	105 KB		
Local Disk (C:)	Nain!	Open with	•	23/09/2013 18:23	Application	362 KB		
ANTON (F:)	🚳 mfc1	Share with	•	11/06/2011 01:58	Application extension	4,320 KB		
	🚳 msvc _	Restore previous versions	720	11/06/2011 01:58	Application extension	412 KB		
🙀 Network	🚳 msvc	Send to	•	11/06/2011 01:58	Application extension	756 KB		
	🚳 Reso	Cut Copy	-	18/09/2013 17:00	Application extension	105 KB		
		Create shortcut Delete Rename						
		Properties	_					

Figure 11: Right click on config

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4. Locate the **'SERVER_IP'** line and change the default IP to the IP of the server system you are currently using. Locate **'SERVER_PORT'** line and change the default port to a port of your choice between 1024 and 65535 (Default port is 3333).



- Figure 12: Config opened in notepad
- 5. Save the file and close it.

Open	Ctrl+N Ctrl+O	
Save	Ctrl+S	to the real IP.
Save As		1.10
Page Setup. Print	 Ctrl+P	
Exit		

Figure 13: Saving changes made to Config

Once all the above steps are completed, the server has been set up.



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<u>Client Setup</u>

The following steps will guide you through the necessary changes in order to setup a system as the client.

1. Open Viglen RMT folder and copy **'Client_1.0.0.5'** folder into your system being used as the client.

lame	Date modified	Туре	Size
Client_1.0.0.5	24/09/2013 14:54	File folder	
Server_0.0.4	24/09/2013 14:54	File folder	

Figure 14: Copying Client folder to system

 Open the 'Client_1.0.0.5' folder and locate the file called 'install' with the file type Registration Entries. Right click on this and select edit. (This file may also be represented as 'install.reg').

ganize 🔻 💕 Merge	▼ Share	with Print Burn	New	folder				0
Favorites	Name	<u>î</u>	D	ate modified	Туре	Size		
Desktop	📕 DrvResor	urce	2	3/09/2013 16:04	File folder			
🔈 Downloads	🍌 IA32		2	5/09/2013 11:17	File folder			
💹 Recent Places	ChangLo	og	1	7/09/2013 18:44	Text Document	3 KB		
	🚳 install		3	0/08/2013 18:53	Windows Batch File	1 KB		
🚽 Libraries	instal		3	/09/2013 16:05	Registration Entries	1 KB		
Documents	Read	Edia		/04/2013 15:51	Text Document	2 KB		
J Music	unins	Drint		/08/2013 18:53	Windows Batch File	1 KB		
Pictures	Unins	Print		/04/2013 15:40	Registration Entries	1 KB		
Videos	🥶 versic	Open with	'	/09/2013 16:40	Configuration sett	1 KB		
		Share with	•					
Homegroup		Restore previous versions						
💺 Computer		Send to	•					
🏭 OS (C:)		Cut						
CIGTEST (D:)		Сору						
ANTON (F:)		Create chartout						
		Delete						
Network		Pename						
		nename						
vol install	Date mo	Properties		tech 23/09/2013 1	6-04			
Registration Entr	ies S	Size: 201 bytes						
~								
		Figure 15: Righ	nt clic	k on install.re	eg			

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3. The file should be opened in notepad. Change **'ServerIP'** to the IP of the server you set up. Change **'ServerDomain'** to the domain your server is located in. Save and exit.



4. Locate the other **'install'** file which is a batch file. Right click on it and select **'Run as Administrator'**, if asked to allow program to make changes, select Yes. (This file may also be represented as **'install.bat'**)

Favorites Favorites Fype Size Desktop DorResource 23/09/2013 16:04 File folder Downloads IA32 25/09/2013 11:17 File folder Italization ChangLog 17/09/2013 18:44 Text Document 3 KB Libraries Distal Open 9/2013 16:05 Registration Entries 1 KB Documents Read Edit 4/2013 15:53 Windows Batch File 1 KB Music Durins Run as administrator 4/2013 15:40 Registration Entries 1 KB Videos Troubleshoot compatibility 9/2013 16:40 Configuration sett 1 KB Videos Troubleshoot compatibility 9/2013 16:40 Configuration sett 1 KB Videos End to - - - - - Videos Cut Cut - - - - Videos Send to - - - - - - Videos Cut Cut - - - - - - - -		Name	*	Dat	e modified	Tune	Siza			
Desktop DrvResource 22/09/2013 16:04 File folder Downloads IA32 25/09/2013 11:17 File folder Recent Places ChangLog 17/09/2013 18:44 Text Document 3 KB Libraries instal Open 9/2013 10:50 Registration Entries 1 KB Documents Read Edit 4/2013 15:51 Text Document 2 KB Music Sunins Print 8/2013 18:53 Windows Batch File 1 KB Videos Print 8/2013 18:53 Windows Batch File 1 KB Videos Print 8/2013 18:53 Windows Batch File 1 KB Videos Print 8/2013 15:40 Registration Entries 1 KB Videos Versic Troubleshoot compatibility 9/2013 16:40 Configuration sett 1 KB Videos Send to Copy Cut Copy Cut Copy Ika Videos Send to Properties Properties Properties Properties Properties	7 Favorites	Ivanie		Dat	emouneu	type	512C			
Image: Second Places Image: Second Places ChangLog 17709/2013 18:44 Text Document 3 KB Image: Second Places ChangLog 17709/2013 18:44 Text Document 3 KB Image: Second Places ChangLog 17709/2013 18:43 Windows Batch File 1 KB Image: Second Places Image: Second Places Open 9/2013 16:05 Registration Entries 1 KB Image: Second Places Edit 4/2013 15:51 Text Document 2 KB Image: Masic Image: Second Places Print 8/2013 16:53 Windows Batch File 1 KB Image: Places Image: Places Image: Second Places Print 8/2013 15:51 Text Document 2 KB Image: Places Image: Places Print 8/2013 15:51 Text Document 2 KB Image: Places Image: Places Image: Places Places 1 KB 1 KB Image: Places Image: Places Troubleshoot compatibility 9/2013 16:40 Configuration sett 1 KB Image: Places Second to the Copy Image: Places Image: Places Image: Places Image: Places Image	Desktop	J DrvResour	ce	23/	09/2013 16:04	File folder				
Image: Changlog 17/09/2013 18:44 Text Document 3 KB Image: Changlog 17/09/2013 18:53 Windows Batch File 1 KB Image: Changlog 0pen 9/2013 16:05 Registration Entries 1 KB Image: Changlog 0pen 9/2013 16:05 Registration Entries 1 KB Image: Changlog Print 8/2013 15:51 Text Document 2 KB Image: Changlog Print 8/2013 15:51 Text Document 2 KB Image: Changlog Print 8/2013 15:51 Text Document 2 KB Image: Changlog Print 8/2013 15:51 Text Document 2 KB Image: Changlog Run as administrator 4/2013 15:40 Registration Entries 1 KB Image: Videos Image: Computer Share with Properties P/2013 16:40 Configuration sett 1 KB Image: Computer Send to Image: Computer Copy Create shortcut Delete Plete Rename Properties Properties Prit: 32/09/2013 16:04 Properties Prit: 32/09/2013 16:04	Downloads	JA32		25/	09/2013 11:17	File folder		2.02		
Libraries Open 1 KB Documents Readt Edit 4/2013 16:05 Registration Entries 1 KB Music unins Print 8/2013 16:05 Registration Entries 1 KB Pictures unins Print 8/2013 15:51 Text Document 2 KB Videos unins Run as administrator 4/2013 15:50 Registration Entries 1 KB Videos Image: Computer Share with P/2013 16:40 Configuration sett 1 KB Computer Send to Cut Copy Create shortcut Delete Network Delete Rename Properties et: 32/09/2013 16:04 Ext. 23/09/2013 16:04	Recent Places	ChangLog		17/	09/2013 18:44	Text Document		3 KB		
Initiality Initial Initial <td>Librarian</td> <td>(install</td> <td>Open</td> <td>307</td> <td>0/2013 18:53</td> <td>Windows Batch File</td> <td></td> <td>1 KB</td> <td></td> <td></td>	Librarian	(install	Open	307	0/2013 18:53	Windows Batch File		1 KB		
Image: Second metrics Incerdit of the second metrics Image:		P Read	Edit		9/2013 10:05	Registration Entries		TKB		
Image: Solution of the solution	Music		Print		e/2013 13:51	Windows Batch File		1 KR		
Videos Videos Versic Troubleshoot compatibility 9/2013 16:40 Configuration sett 1 KB Homegroup Send to Computer Send to ViGTEST (D:) ANTON (F:) Create shortcut Delete Rename Properties et: 23/09/2013 16:04	Pictures		Run as administrator		4/2013 15:40	Registration Entries		1 KB		
A Homegroup Share with Restore previous versions Computer Send to So (C:) Cut VIGTEST (D:) Copy ANTON (F:) Create shortcut Delete Rename Properties Properties	Videos	versic	Troubleshoot compatibility		9/2013 16:40	Configuration sett		1 KB		
Homegroup Homegroup Computer Send to Cut Cut Copy ANTON (F:) Create shortcut Delete Rename Properties protection p										
Computer Computer Cut Cut Copy ANTON (F:) Network Network Create shortcut Delete Rename Properties Properties Properties	👌 Homegroup		Share with Restore previous versions	,						
Cut Cut Copy ANTON (F:) Network Network Properties Cut Copy Create shortcut Delete Rename Properties Properties Properties	Computer		Send to	•						
Create shortcut Delete Rename Properties ed: 23/09/2013 16:04	S (C:) VIGTEST (D:) ANTON (E:)		Cut Copy							
Properties ed: 23/09/2013 16:04	Network		Create shortcut Delete Rename							
	install	Date m	Properties		ed: 23/09/2013	16:04				_



5. Once that has been done, you will see a window appear which will verify that the installation has occurred. This window will open and close automatically.



Figure 18: Results of installation on client

When this has been done, the Viglen RMT has been installed and set up. The client setup stage should be repeated on all systems being used as clients.



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Using the Viglen RMT

This section will guide you through using the Viglen RMT and its features. The server and all client systems must be on the same local network for the tool to work.

Connecting Server to Clients

To start using the Viglen RMT locate the **'MainServer'** application in the Viglen RMT folder and open it, when the application has opened, you will see the list of clients which you can connect to on the right hand side. Press **'Connect'** on the bottom right hand side of the screen to connect the server to the clients. Once connected you will be able to select which clients you wish to remotely control by ticking them. In order to remotely control a client they must be ticked.





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Advance Intel Virtualization Technol	BIOS Setting	H/W Monitor	DMI Information	Bios Update	Windows Control	H81M-C-PC
Monitor Legacy USB Support USB3_1 USB3_2 USB3 USB3 USB4 USB4 USB5 USB6 USB9 USB10 USB12 HD Audio Controller Restore AC Power Loss Power On By PS/2 Keybox Power On By PS/2 Keybox Power On By PS/2 Mouse	Advance	Intel Virtualization Techn	IC			MAC:AC22087
Security	Monitor	Legacy USB Support USB3_1 USB3_2				BIOS:H81M-C
USB9 USB10	Security	USB3 USB4 USB5 USB6				Clientopoate:
- Power On By PS/2 Keybox - Power On By PS/2 Keybox			1			
		Power On By PS/2 Keybo	e			
Power On By PCI-E/PCI Option Apply		Power On By PCI-E/PCI	1	Option	Apply	
	-09-26 11:09:27 NA -09-26 11:09:27 NA	: NA : Check DB Table nwin : NA : Check DB Table"board : NA : Check DB Table"winct	_module" PASS : 6 [info] rl_rtc" PASS : 8 [info]		<u>^</u>	21

BIOS Settings – Advanced

Figure 21: BIOS Settings Advanced Menu

The **'Advanced'** Menu allows you to make changes to the BIOS of the client, such as enabling/disabling USB ports and power on options.

For example to enable one of the settings listed, click on it and the option to enable it appears as a drop down list.

To get the list of settings press **'Option'**. This will display the settings seen on the left. To apply any changes press **'Apply'**.



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BIOS Settings – Monitor

The **'Monitor'** section of the BIOS gives you the option of changing fan and anti-surge settings. These can be edited by selecting the appropriate setting and changing its value. Once changes have been made press **'Apply'** to save.

/SUS Ren	note Manageme	nt Tool	_	-	
BIOS Setting	H/W Monitor	DMI Information	Bios Update	Windows Control	H81M-C-PC
Advance	Anti Surge Support	Anti Surge Suppor	t		MAC:AC220B749C3
Monitor		Disable			RTC:DATE(0) 11:17:
Security	CPU Lower Temperature CPU Fan Min. Duty Cyd Chassis Q-Fan Control Chassis Fan Speed Low Chassis Fan Profile Chassis Fan 1 Max. Dut Chassis Fan 1 Max. Dut Chassis Fan 1 Lower Te Chassis Fan 1 Min. Duty	If enabled, system wi	II have uvp or ovp protec	t function. Apply	
2013-09-26 11:09:27 : NA 2013-09-26 11:09:27 : NA 2013-09-26 11:09:27 : NA 2013-09-26 11:09:27 : Clie 2013-09-26 11:10:42 : Clie 2013-09-26 11:10:40 : NA 2013-09-26 11:10:48 : NA	TA: Check DB Table hvm IA: Check DB Table"board NA: Check DB Table"wind ntUpdate : NA: auto push fu ntUpdate : NA: Client Update : NA: Start server success H81M-C-PC: Client Connec sSetting: H81M-C-PC; start	PASS : 5 [into] I_module" PASS : 6 [info] rt_rtc" PASS : 8 [info] nction : 1 [info] f unction start success : 5 : 0 [info] t: 0 [info] o get option list : 0 [info]	5070344 (info)		Disconnect

Figure 22: BIOS Settings Monitor Menu

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BIOS Settings – Security

This section allows you to set a password for the BIOS. To do this, select either **'Admin Password'** or **'User Password'** and type in the password and confirm it underneath. Press **'Confirm'** and then **'Apply'** for the password to be set.

1	ISUS Re	mote Managem	ent Tool	_		_ ×
25	BIOS Setting	H/W Monitor	DMI Information	Bios Update	Windows Control	
	Advance	Admin Password				Client AP:01000004
	Monitor					RTC:DATE(0) 11:17:
	Security		Confirm	Delete		Clentupdate:Suppor
				Option	Apply	
2	013-09-26 11:09:27 : NA	A : NA : Check DB Table"hwi	m" PASS : 3 [info] rd_module" PASS : 6 [info]			
20	013-09-26 11:09:27 : NA 013-09-26 11:09:27 : Cli 013-09-26 11:09:27 : Cli	A : NA : Check DB Table Uda A : NA : Check DB Table"win ientUpdate : NA : auto push ientUpdate : NA : Client Upda	ctrl_rtc" PASS : 8 [info] function : 1 [info] ite function start success : 5	6070344 [in fo]		
21 21 21	013-09-26 11:10:40 : NA 013-09-26 11:10:48 : NA 013-09-26 11:11:52 : Bi	A:NA:Start server succes A:H81M-C-PC:Client Conne osSetting:H81M-C-PC:star	s : 0 [info] ect : 0 [info] t to get option list : 0 [info]			Disconnect

Figure 23: BIOS Settings Security Menu

If removing a password, enter the password used to access BIOS, confirm it below and press **'Delete'** then **'Apply'**.







H/W Monitor

The **'H/W Monitor'** (Hardware Monitor) displays a number of different things such as temperatures and fan speeds. To correctly display this information, click on **'Add'** so that the client which is being controlled can be added to the list and monitored. Clicking **'Remove'** will remove the data provided for the chosen client. If there are any readings which are incorrect, for example the maximum speed for the CPU fan has been exceeded, that particular reading will be highlighted.

/ISUS	Remote	e Mana	gemer	nt Toc	ol						∎ ×
BIOS Settin	g I	H/W Monit	or	DMI Inf	ormatio	on	Bios L	Jpdate	Window	ws Control	H81M-C-PC
Client	CPU Temp 25.0 °C	MB Temp 0.0 ℃	CPU Volt 0.0 V	+12V 12.4 V	+5V 5.2 V	+3.3V 3.5 V	CPU Fan 967 rpm	Cha1 Fan 1520 rpm	Cha2 Fan 0 rpm	Power Fan 0 rpm	MAC:AC220B749C3 P: 192.168.1.21 BIOS:H81M-C-9904 RTC:DATE(0) 11:17: ClientUpdate:Suppor
4											
Select All								Add		Remove	
2013-09-26 11:09:2 2013-09-26 11:09:2 2013-09-26 11:09:2 2013-09-26 11:09:2 2013-09-26 11:09:2 2013-09-26 11:09:2 2013-09-26 11:10:4 2013-09-26 11:11:5	7 NA NA 7 NA NA 7 NA NA 7 ClientUpda 0 NA NA 8 NA H81N 2 BiosSettin	Check DB Ta Check DB Ta Check DB Ta the : NA : aut ate : NA : Clie Start server I-C-PC : Clier g : H81M-C-F	ble"hwm" f ble"board_ ble"winctrl o push fun ent Update f success : f success : f t Connect : PC : start to	PASS : 3 [module" P _rtc" PAS ction : 1 [in function st 0 [info] get optior	info] PASS : 6 S : 8 [inf nfo] tart succ n list : 0	(info) fo] cess : 50 (info]	170344 (info	1		4	Disconnect

Figure 24: Hardware Monitor displaying client readings

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DMI Information

The DMI Information section is blank until you load information relating to the client being controlled.

BIOS Setting	H/W Monitor	DMI Information	Bios Update	Windows Control	H81M-C-PC
Item	Туре	Value			Client AP:01000 MAC:AC220B74 IP:192.168.1.2 BIOS:H81M-C-9 RTC:DATE(0) 1 ClientUpdate:Su
				Load	
13-09-26 11:09:27 : NA 13-09-26 11:09:27 : NA 13-09-26 11:09:27 : NA 13-09-26 11:09:27 : Clie 13-09-26 11:09:27 : Clie 13-09-26 11:10:40 : NA 13-09-26 11:10:48 : NA 13-09-26 11:11:52 : Bios	NA: Check DB Tab NA: Check DB Tab NA: Check DB Tab ntUpdate: NA: auto ntUpdate: NA: Clien NA: Start server s HB1M-C-PC: Client sSetting: HB1M-C-PC	le"hwm" PASS : 3 [info] le"board_module" PASS : 6 [info] le"winctri_rtc" PASS : 8 [info] push function : 1 [info] t Update function start success : f uccess : 0 [info] Connect : 0 [info] : start to get option list : 0 [info]	5070344 [info]		Disconnect

Figure 25: DMI Information not yet loaded

To load client information press **'Load'**. This will then display DMI information for the chosen client. To get information for another client, select that client from the client list on right hand side of the screen. Fields shaded in white can be edited. To edit a specific field, select that field, type in the information and press **'Enter'** on the keyboard, you must press enter to save changes.



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Item					Client ABIO
STATE CONTRACTOR AND A DECISION OF A DECISIONO OF A DECISIO	Type	Value			MAC:AC220
BIOS Vendor	STRING	American Megatrends Inc.			TP-102 168
BIOS Version	STRING	9904			IP.192.100.
Release Date	STRING	09/13/2013			BIOS:H81M-
System Serial Number	STRING	System Serial Number			RTC:DATE(0
UUID	GUID	14801FF2-A96F-0EAD-2FA3-AC2	20B749C31		ClientUpdate
Base Board Manufacturer	STRING	ASUSTEK COMPUTER INC.			2945803 Mil
Base Board Product	STRING	H81M-C			
Base Board Version	STRING	Rev X.0x			
Base Board Serial Number	STRING	130713341600089			
Chassis Serial Number	STRING	Chassis Serial Number			
Chassis Asset Tag Number	STRING	Asset-1234567890			
OEM String Count	BYTE	0x04			
OEM String1	STRING	To Be Filled By O.E.M.			
OEM String2	STRING	To Be Filled By O.E.M.			
OEM String3	STRING	AH88			
OEM String4	STRING	To Be Filled By O.E.M.		H81M-C-PC	
				Load	
				Load	

Figure 26: DMI Information client loaded

Note: This function only displays information for one client at a time and only fields shaded in white can be edited.

BIOS Update

A BIOS update can be performed on a maximum of 30 clients at the same time. All clients being updated must share the same BIOS. Clients that do not share the same BIOS cannot be updated at the same time. If you choose incorrect BIOS the Viglen RMT will prohibit you from updating the BIOS by not loading any clients.

In order to update the BIOS on a client, press the button containing the **'three dots (browse button)'** to select the desired BIOS. The file path will then appear.

To get the list of clients that will accept that BIOS, press 'Get Clients'. If the BIOS you are choosing to flash is an upgrade, client list should appear. If BIOS is a downgrade or the same version, check 'Forced Update' before pressing 'Get Clients'. If no clients appear after these steps the chosen BIOS will not be accepted by the any of the clients.

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BIOS Setting	H/W Monitor	DMI Information	Bios Update	Windows Control	H81M-C-PC
Client List of cli accept B after Get pressed.	Board ID ients which w IOS will appea t Clients has b	Version Progress	Select a BIOS file: Forced Update Forced Update allows to same version of BIOS Get Clients	o downgrade the older or BIOS Update	MAC:AC220B749C IP:192.168.1.21 BIOS:H81M-C-990 RTC:DATE(0) 11:1 ClientUpdate:Supp
013-09-26 11:09:27 : N 013-09-26 11:09:27 : C 013-09-26 11:09:27 : C 013-09-26 11:10:40 : N 013-09-26 11:10:48 : N 013-09-26 11:11:52 : B 013-09-26 11:21:29 : D 013-09-26 11:21:29 : D	A : NA : Check DB Table lientUpdate : NA : auto p lientUpdate : NA : Client A : NA : Start server sur A : H81M-C-PC : Client C : GisSetting : H81M-C-PC : que Milnfo : H81M-C-PC : get	"winctrl_rtc" PASS: 8 [info] ush function: 1 [info] Update function start success: ccess: 0 [info] onnect: 0 [info] start to get option list: 0 [info] ery: 0 [info] DMI data successfully: 0 [info]	5070344 [info]		Disconnect

Figure 27: BIOS Update not loaded screen

When the list of clients has appeared you can check and uncheck clients to determine which clients receive the BIOS, you can check **'Select All'** which will check all clients to be flashed.

When clients have been chosen press '**BIOS Update**', the process will then start and progress will be shown. Client will restart automatically during update process. When the client has loaded back into Windows, the BIOS has been flashed and the system is ready to be used normally.

Note: Multiple client BIOS update can only be applied to clients with same mother board model or clients that share the same BIOS.



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'RTC' lets you set an RTC alarm to wake the system. RTC can be set for a specific date or specific days in a week.

ASUS Remote Management Tool BIOS Setting H/W Monitor DMI Information Bios Update Windows Control **⊟**---**У** Н81М-С-РС Client AP:01000004 RTC Power MAC:AC220B749C3 P: 192. 168. 1.21 Date 1 Mode Wake Up Sleep BIOS:H81M-C-9904 RTC:DATE(0) 11:17 Hibernate Shut down Time 0 🔽 0 🔽 0 💌 0 🌸 ClientUpdate:Suppo (Day / Hour / Minute / Second) Reset Set 2013-09-26 11:09:27 : NA : NA : Check DB Table"winctrl_rtc" PASS : 8 [info] . 2013-09-26 11:09:27 : ClientUpdate : NA : auto push function : 1 [info] 2013-09-26 11:09:27 : ClientUpdate : NA : Client Update function start success : 5070344 [info] 2013-09-26 11:10:40 : NA : NA : Start server success : 0 [info] 2013-09-26 11:10:48 : NA : H81M-C-PC : Client Connect : 0 [info] 2013-09-26 11:11:52 : BiosSetting : H81M-C-PC : start to get option list : 0 [info] 2013-09-26 11:21:29 : DMIInfo : H81M-C-PC : query : 0 [info] 2013-09-26 11:21:29 : DMIInfo : H81M-C-PC : get DMI data successfully : 0 [info] Disconnect -

In 'Date' mode select the specific date and time and press 'Set' to set the RTC alarm.

Figure 30: RTC Setting in Date Mode

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In **'Week'** mode select the specific days of the week by checking them and the specific time and press **'Set'** to set the RTC alarm.

ASUS Rer	note Managen	nent Tool			
BIOS Setting	H/W Monitor	DMI Information	Bios Update	Windows Control	ЕУ Н81М-С-РС
RTC		P	ower		Client AP:0100000 MAC:AC220B749C
Mode Week			Wake Up	Sleep	₩ IP:192.168.1.21
Time 🔉 💌	0 🔽 0 💌 0	•	Hibernate	Shut down	ClientUpdate:Supp
(Day / H	our / Minute / Secon	d)	Reset		
Monday Thursday Sunday Set	Tuesday	Wednesday			
2013-09-26 11:09:27 : NA 2013-09-26 11:09:27 : Clie 2013-09-26 11:09:27 : Clie 2013-09-26 11:09:27 : Clie 2013-09-26 11:10:40 : NA 2013-09-26 11:10:48 : NA 2013-09-26 11:10:48 : NA 2013-09-26 11:10:129 : DMI 2013-09-26 11:21:29 : DMI	NA: Check DB Table"wi ntUpdate: NA: auto push ntUpdate: NA: Client Upd NA: Start server succe: H81M-C-PC: Client Conn sSetting: H81M-C-PC: sta Info: H81M-C-PC: guery Info: H81M-C-PC: get DM	nctrl_rtc" PASS : 8 [info] function : 1 [info] ate function start success : 5 ss : 0 [info] ecct : 0 [info] rt to get option list : 0 [info] : 0 [info] I data successfully : 0 [info]	5070344 [info]	A	Disconnect

Figure 31: RTC Setting in Week Mode

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Note: **'Power on by PCI-E/PCI'** in the BIOS must be enabled in order for RTC to function.



'Power' lets you shut down, reboot, wake up the system as well as putting it to sleep or hibernate. Press any of the buttons to perform the corresponding action.

/ISUS Rem	ote Managem	ient Tool			
BIOS Setting	H/W Monitor	DMI Information	Bios Update	Windows Control	H81M-C-PC
RTC		P	'ower		Client AP:0100000
Mode Disable	•		Wake Up	Sleep	BIOS:H81M-C-990
			Hibernate	Shut down	ClientUpdate:Supp
			Reset		
Sat					
361					
2013 00 26 11-00-27 - NA -	NA · Check DB Table"wi	netri rte" PASS : 8 fin foi			
2013-09-26 11:09:27 : Clien 2013-09-26 11:09:27 : Clien	tUpdate : NA : auto push tUpdate : NA : Client Upd	function : 1 [info] ate function start success : 5	5070344 [info]	<u>م</u>	
2013-09-26 11:10:40 : NA : 2013-09-26 11:10:48 : NA : 2013-09-26 11:11:52 : Bios	NA : Start server succes H81M-C-PC : Client Conn Setting : H81M-C-PC : sta	ss : 0 [info] ect : 0 [info] rt to get option list : 0 [info]			Disconnect
2013-09-26 11:21:29 : DMIIr 2013-09-26 11:21:29 : DMIIr	nfo:H81M-C-PC:query: nfo:H81M-C-PC:get DM	0 [info] I data successfully : 0 [info]			

Figure 32: Remotely control client power options

Wake Up – start system from off, sleep or hibernate Sleep – system enters sleep state Hibernate – system enters hibernate state Shut Down – turn off system Reset – reboot the system



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