

DFI



REMOGUARD

Cloud to Obsolete On-Site Management User's Manual

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About this Manual

This manual can be downloaded from the website.

The manual is subject to change and update without notice.

Please visit our website or contact our sales representatives for the latest editions.

Warranty

- 1. Warranty does not cover damages or failures that arised from misuse of the product, inability to use the product, unauthorized replacement or alteration of components and product specifications.
- 2. The warranty is void if the product has been subjected to physical abuse, improper installation, modification, accidents or unauthorized repair of the product.
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- 4. We will not be liable for any indirect, special, incidental or consequential damages to the product that has been modified or altered.

Chapter 1

Chapter 1 - Introduction

► 1.1 DFI Cloud Administration Platform

RemoGuard, the DFI Cloud Administration Platform, is a browser-accessed management platform that allows you to monitor the status of solid-state drives (SSDs), memory, and other components in edge devices. RemoGuard accomplishes this by gathering data from all connected devices and storing it on a central server, either in the cloud or on one's intranet. From there, the data is easily accessible from internet-connected cell phones, tablets, or laptops.

RemoGuard is also a perfect companion for out-of-band-enabled devices, allowing operators to seamlessly manage and restore edge devices that have broken down. With convenient out-of-band management from anywhere, RemoGuard reduces maintenance costs and downtime for devices everywhere.



Chapter 2 System environment

Web service		Web browser that supports HTML5+CSS3+Javascript - Google Chrome:9.0+ - Safari:5.1+ - Firefox - Microsoft Internet Explorer 10+
Server	Hardware Minimum Requirement	Intel Core i3 2.3 Ghz CPU or above 4 GB RAM 20 GB root partition for the system 100 GB data storage partition for documents and indexing
	Operation System	Ubuntu 16.04+ Windows Server 2016 Docker 17.03+
Agent (client side)	Hardware	Bundled with DFI Storage products
	Operation System	Windows 10/8.1/7/XP kernel 32/64-bits Ubuntu 16.04 64-bits Debian 8 64-bits Others by request

Note:

• Memory information varies from the module, to install an Innodisk module is strongly advised to get complete status and avoid incompatible issues.

- Only Innoage SSDs support OOB functions.
- Please refer to the Appendix section of this document for further information.

Chapter 3 Website Operation(Server)

Sign in

"admin" is the default account and password, press "Next" to login.



RemoGuard Dashboard

The first screen will be the dashboard which shows several widgets contain various information of devices, these widgets can be customized. You can also add other dashboards of different combination of widgets.



Menu

Press "Menu" icon to show the main menu, there are three categories "Dashboard", "Event", and "Group" in the menu.

= DFI	
Dashboard1	
]	Device



► 3.1 Dashboard page

Press "Dashboard" button to return to the dashboard.





► 3.2 Event page

The "Event" button links to the Event category.



= DFI			
New Completed All Each device will generate one event log per day under the same circumstances. A new log occurs only if the old log of the same Latest Event Logs: DO Show Show All	day be solved	I.	
Show 10 • entries Search:			
Index A TIME & DEVICE & DETAIL	OWNER	¢	ACTION
No data available in table			
Showing 0 to 0 of 0 entries		Previo	us Next

► 3.3 Group view page

The "Group" button links to the group view page.



All devices will be shown in the group view page, "View More" button retrieves detail information of each device.

device	device	ಿ View M	ore
« » 1/	1 Go	Operating System	Microsoft Windows 10 Enterprise LTS
		CPU Name	Intel(R) Core(TM) i5-8500T CPU @ 2.10GHz
		Memory capacit	y 4GB
		Storage capacit	y 118GB
		Device Status	Offline
vice loading			

► 3.4 Device information page

Device information page displays all information including operation system, CPU, memory, Mainboard, network, location and Out-of-band devices.

3.4.1 Overview page

ew OS CPU	MB MEM Storage NET	Location EAPI OOB		
_				
de	evice			
		Operating System	Microsoft Windows 10 Enterprise LTSC	
		CPU Name	Intel(R) Core(TM) i5-8500T CPU @ 2.10GHz	
	<u> </u>	Memory capacity	4 GB	
		Storage capacity	118 GB	
	(>) (C)	Device Status	Offline	
	Reboot Recovery			
C	PU Loading	MEM Loading	Storage Lifespan	í
			Stream	
			duringle o	
			Storage 1	

3.4.2 Operation system page



3.4.3 CPU page



3.4.4 Mainboard page

= DFI			ې 🌯
	s 🔹 Device 🗮 device 🖬 🖽 Informatio		
Overview OS CPU	MB MEM Storage NET Location	EAPI OOB	
	Motherboard Information		
	Manufacturer	DFI Inc.	
	Product name	C5251	
	Serial Number	Default string	
	BIOS Manufacturer	American Megatrends Inc.	
	BIOS Version	ALASKA - 1072009	

3.4.5 Memory page

Men							N			
40-35-	-						N			
30- 27 25-										
Eupport 15	20	20	20	20	20	17	18	17	17	1
10 5-										
0-	5:18	6:19	6:20	6:21	6:22	10:15	10:18	10:19	10:20	10
Pro	oduct li	nforma	tion i-DIMI	м		Features	5	Original Grade	: (IC P/N visible o	n IC)
Pro Part Manu	oduct li Number Infacturer	nforma	tion i-DIMI InnoE	M Disk Corporation		Features IC Grade Anti-sulfurati	5 on Feature	Original Grade Yes	: (IC P/N visible o	n IC)
Pro Part Manu DRAI	oduct II Number Infacturer	nforma	tion i-DIM InnoE DDR4	M Disk Corporation		Features IC Grade Anti-sulfurati 30µ" Golden I	5 on Feature inger	Original Grade Yes N/A	: (IC P/N visible o	n IC)
Pro Part Man DRAI Data	oduct In Number Aufacturer M type a Rate	nforma	tion i-DIM InnoE DDR4 2400	M Disk Corporation		Features IC Grade Anti-sulfurati 30µ° Golden I Write Protect	5 on Feature Finger ion	Original Grade Yes N/A Uneabled	: (IC P/N visible o	n IC)
Pro Part Mam DRAI Data Cape	oduct II : Number uufacturer uM type a Rate acity	nforma	tion i-DIM InnoE DDR4 2400 8	M Disk Corporation		Features IC Grade Anti-sulfurati 30µ" Golden I Write Protect	5 on Feature Finger ion	Original Grade Yes N/A Uneabled	: (IC P/N visible o	n IC)
Pro Part Mam DRAI Data Capa DIM	oduct in Number Nufacturer M type a Rate acity M Type	nforma	tion i-DIM Inno DDR4 2400 8 non-E	M Disk Corporation		Features Ic Grade Anti-sulfurati 30µ° Golden I Write Protect	5 on Feature Finger ion	Original Grade Yes N/A Uneabled	: (IC P/N visible o	n IC)
Pro Part Mam DRAI Data Capa DIM Oper	oduct in Number Aufacturer AM type a Rate acity M Type rating Temp	nforma	tion i-DIM InnoE 2400 8 non-E N/A*	M Disk Corporation		Features IC Grade Anti-sulfurati 30µ° Golden Write Protect	5 on Feature Finger ion	Original Grade Yes N/A Uneabled	: (IC P/N visible o	n IC)
Pro Part Mam DRAI Data Capa DIM Oper CAS	oduct II Number Mufacturer M type a Rate acity M Type rating Temp. Latency	nforma	tion i-DIM InnoE 2400 8 non-E N/A* 17	M Disk Corporation		Features Ic Grade Anti-sulfurati 30µ* Golden I Write Protect	5 on Feature ringer ion	Original Grade Yes N/A Uneabled	: (IC P/N visible o	n IC)
Pro Part Man DRA Data Capa DIMI Oper CAS IC CC	oduct in Number Mufacturer M type a Rate acity M Type rating Temp. Latency onfiguration	nforma	tion i-DIM DDR4 2400 8 non-E N/A* 17 16b	M Disk Corporation 8 ECC SODIMM		Features Ic Grade Anti-sulfurati 30µ° Golden I Write Protect	5 on Feature inger ion	Original Grade Yes N/A Uneabled	: (IC P/N visible o	n IC)
Pro Part Mam DRAI Data Capa DIM Oper CAS IC Co IC Br	oduct II Number Infacturer M type a Rate acity M Type rating Temp. Latency onfiguration rand	nforma	tion - DIM - DIM	M Disk Corporation CCC SODIMM CCC SODIMM		Features Ic Grade Anti-sulfurati 30µ° Golden I Write Protect	S on Feature inger ion	Original Grade Yes N/A Uneabled	: (IC P/N visible o	n IC)

Memory information varies from the module, to install an Innodisk module is strongly advised to get complete status and avoid incompatible issues.

Please refer to the appendix of this document for further information.

3.4.6 Storage page

= DFI			•	٠
Group 🛱 Al	ll Devices 🚽 Device 😄 devic	🛛 🗖 Information 🛛 Ə İAnalyzer		
Overview OS	CPU MB MEM Storage	NET Location EAPI OOB -		
	Storage Index : 0 1			
	Storage Information			
	Index	0		
	Model	InnoAGE 3TE7 m2		
	Serial Number	B0012007070260001		
	Firmware Version	B19C04B		
	Capacity	112 GB		
	P/E Cycle	4		

Only Innoage SSDs support OOB functions.

Please refer to the appendix of this document for further information.

3.4.7 Network Card Index

= DFI			۰ 🌯
	l Devices 🗾 Device 💳 device	🔄 🛄 Information 🛛 🖴 iAnalyzer	
verview OS	CPU MB MEM Storage	NET Location EAPI OOB	
	_		
	Network Card Index : •		
	Network Card Information		
	Index	N/A	
	Name	Intel(R) Ethernet Connection (7) I219-V	
	Туре	Ethernet	
	MAC Address	88:88:88:88:87:88	
	IPv4 Address	192.168.1.193	
	IPv4 Netmask	255.255.255.0	l

3.4.8 Location

• Google Map



Vector Map



Chapter 3 Website Operation (Server)

Open Street Map

= DFI
Group 🚍 All Devices 🖬 🛛 Device 🚍 🖾 Information 🛛 🔒 iAnalyzer
Overview OS CPU MB MEM Storage NET LocationEAPI OOB
Google Map Vector Map Gaode Map
Device Location
•
Longitude: 121.634977 Latitude: 25.059067 Status: NORMAL

• Gaode Map



3.4.9 EAPI

= DFI						1	٠
Group ≓ All (Devices 💌 🕴 Devic	:e	💽 🛛 🖾 Information 📄 🖴 iA	Analyzer			
Overview OS	CPU MB MI	EM Storage	NET Location	OOB			
	* :*	СРИ	28.95°C 84.11				
		System	29.95°C 85.91°F				
		СРИ	4440 RPM				
		System	N/A				
		System2	N/A				
		VCORE	0.672 V	+12V	N/A		
		VBAT	3.072 V	3VSB	3.392 V		
		5V	5.038 V	VDDQ	N/A		

3.4.10 OOB (Out of Band)

Gr

The OOB(out-of-band) function is used to control the dedicated out of band device.

= DFI			۰ 🔮
	ll Devices 📮 🛛 Device 🛛 🛱 devic	ce 🖸 🛄 Information 🗇 iAnalyzer	
Overview OS	CPU MB MEM Storage	NET Location EAPI OOB	
	InnoAGE Index : •		
	InnoAGE Information		
	InnoAGE [™] SSD	InnoAGE SSD • Azure Sphere • Power Status • HD Status • Dower Rebot Recovery	
	Detail Information		•

Before doing any operation of the OOB device, please make sure it's connected to the corresponding pin on the mainboard.

• Reboot

Press "Reboot" button to trigger the reboot function. A pop-up window will show to confirm the operation.



Clicking the "Yes, reboot it" button starts the reboot process, the progress bar will be drawn like a doughnut around the reboot icon showing the percentage.



After the process is done, a pop-up window will show the result.



Recovery

The recovery function supports partition backed up by the Remoguard setter utility.

Press "Recovery" button to trigger recovery function and confirm the action, the whole process will be similar with the reboot process.

= DFI		Р	٠
Group ≓ All Devices 🖌 Device ≓ device1 🖣 🛛 🖪 II	nformation 🛛 🛱 iAnalyzer		
Overview OS CPU MB MEM Storage NET L	ocation EAPI OOB		
InnoAGE Index : o			
InnoAGE Information			
InnoAGE TM SSD	D ower Status I HD Status		
Detail Information	Are you sure? B0012007070260001 will be reboot. Yet, rebool &		

After the process is done, please check the feedback information returned.



Power On/Off

The OOB function also supports power switch, press the "Power" button to turn on or turn off the power of the system.



► 3.5 iAnalyzer page

Storage Analyzer



Storage Lifespan



► 3.6 Device authentication and connection

When Agent application is installed in the client device being connected to the server, device authentication will be done automatically without any manual operation. A working connection indicates with a green light on the agent side.

Device status widget shows the amount of devices connected or offline.

► 3.7 Index Table

Index table indicates the device list by clicking relevant widgets on the dashboard, click on the device name will show its overview page.



► 3.8 Settings

Press "setting" button to display system setting menu.



3.8.1 Profile Settings

This page edits profile of the current user, including the password.

= DFI				s 94
	& 1 = = = = 1 & 1	Login name admin		
		Employee number	Email * admin@example.com	
	Profile Settings You can modify your profiles on this page.	First name	Last name Administrator	
		Password *	Verify password *	
			M Save	•

3.8.2 Create User

To add a new user please use "Create User".

= DFI				<u>9</u>	٠
	& f] ≡ ≓ ⊭ ≗ 🍚 ⊠ ▲ 🔰 🖻 ۹	Login name * peach			
	2+	Employee number 983231	Email * peach@dfi.com		
	Create User You can create new users on this page. • = Required field	First name peach	Last name lin		
		Password *	Verify password *		
		Administrator	A Submit		

3.8.3 User Settings

This page edits user profiles, including the password.

	Login name		
⊠ 44 (2) \\ → ≅ ⊡ 69 ♦ 11 (4) \ →	peach	·	
a	Employee number	Email *	
User Settings	First name	Last name	
You can modify user profiles and their permission on this page.	peach	lin	
	Administrator		

3.8.4 Group Settings

Devices can be arranged into various groups for easy management.

80 (6) ≣ ≓ ⊻ ≗ & ⊠	My Group All Devices		+ Add ≠ Rename	
-	Group Repository (0)		All Devices (2)	
Group Settings	Search Find 0 item(s)	>	Search Find 2 item(s) device	
You can setup groups on this page.		<	device	
			🗎 Delete 🛛 🗎 Save	

Press "Add" button to add a group and insert a name of it.

	Add New Group	× 2)
	Name *	(c)
nç	Group01	
this		
		X Cancel 🗚 Submit

Then a new group is generated.

My Group		+ Add
Group01	•	
Group Repository (2)		Group01 (0)
Search		Search
Find 2 item(s)	>>	Find 0 item(s)
device device	>	
device	<	

Choose devices from all device list in the left to new group in the right and press save button to complete. Press "Delete" button will delete the group.

® 🔂 ≣ ≕ 🗠 ä å ⊠ ⊨ III 🖻 ۹	My Group Group01	-	+ Add > Rename
-	Group Repository (1)		Group01 (1)
	Red 1 Jacoba	>>	Find 1 item(s)
Group Settings	device2		device1
You can setup groups on this page.		-	

3.8.5 Threshold Setting

Enable, add or Edit thresholds and choose groups to be applied. Press "Add" button to add new threshold or "Edit" button to edit exist ones.

DFI			2 9 -
& ₽ ≅ ≓ 🕢 å å ⊠ ■ 🕸 🖻 <	My Threshold Rule	+ Add / Edit	
~	Search	Search	
Threshold Settings You can create the new threshold rule, and choose the group(s) which you want to follow.			
	You can consider that enable	the rule or not.	
	Enable	音 Delete	H Save

A threshold is including of a name, source, condition and threshold value. (EX: CPU fan rotating speed > 3000)

dd New Rule	×
Threshold Rule's Name*	L
cpu fan speed	
You can select data for surveillance.	
Normal Ratio	
Source *	Ш
CPU fan rotating speed 👻	
When the dynamic data value achieves the condition you set, the system will send the event message and execute actions which you selected.	
Type*	Ш
> •	Ш
Value *	1
You can choose what you want to do when over threshold.	
★ Cancel A Submit	t

Input mail addresses to receive the notice if the threshold is triggered.

Source *		
CPU fan rotating spee	d -	
Select one type and When the dynamic d system will send the	set the threshold value. Iata value achieves the condition you set, the event message and execute actions which	
you selected.		
Type*	•	
Value *		
3000		
You can choose what	t you want to do when over threshold.	
Action *		
🗹 Send Email		
Email Recipient		
L peach@dfi.com x		
johnsms@dfi.com		

After a threshold is added, apply the threshold to groups by selecting exist group to the right list.

3.8.6 Widget Setting

To add/edit/delete widgets.

= DFI		1 0	٠
 	My Widget -Rease Select One- Add Widget Catalog Edit Context Delete	_	

To add a widget, press "Add Widget Catalog" and input name of the widget.

Add New Widget Catelog	×
Name * CPU fan speed)
	🗙 Cancel 🛛 🖪 Submit

Specify a chart type and width, adjust relevant settings to continue.

Widget Name *	
CPU fan speed	
Chart *	Width *
bar	• Medium •
• Source * CPU fan rotating speed	My Threshold Rule * Please Select One *
Process * Ratio % Numerical 10	
Setup Group *	
Nothing selected	*
Select All	Deselect All
All Devices Group01	

3.8.7 Dashboard Setting

This page adds, edits and deletes dashboards, the refresh rate of dashboards can be specified.

= DFI	6 ⁹
	Dashboard refresh Rate (Seconds) * 60
2 2	H Save
Dashboard Settings	My DashbaordPlease Select One +
this page.	+ Add New Dashboard 🕼 Edit Context

To add a new dashboard, select "Add New Dashboard" and input the name of it.

🗙 Cancel 🛛 🛪 Submit

Then press the "Apply" button to activate the widget.

Select preferred repository and press OK or Apply to finish.

dit Context		×
Dashboard Name *		
Dashboard001		
Choose the widget which you widget repository. Widget Repository	a want to show on the dashboard from	
Storage Lifespan, CPU fan speed,	, Memory Loading -	
Select All	Deselect All	
Storage Lifespan	1	Ľ
Device status		
Device status		
Storage Temp.		
CPU fan speed	✓	
Google Map(S)		
Memory Loading	✓	
CPU Loading		1
Storage Health		
Google Map(M)		
	🗸 Ok 🗙 Cancel 🖍 Appl	У

Switch back to the home page to view the new dashboard.

= DFI						L.	•
Storage Lifespan	Now	CPU fan speed	Now	Memory Lo	ading	Now	
	<150 days 0	≥ 9000 RPM		≥ 80%			
	● ≥150 days	6000 RPM - 9000 RPM		60% - 80% 40% - 60%			
		3000 RPM - 6000 RPM	1	20% - 40%		2	
		< 3000 RPM		< 20%			
		0	0.5 1	.0 0	0.5 1.0	1.5 2.0	

3.8.8 Email Setting

Email settings should be done before activating any relevant services like the email notification in "Threshold" function. Please press "Send test email" to see if the configuration works.

= DFI		L.	٠
& ₽ ₽ ₽ ₩ ▲ ₩ ▼	SMTP Address *	Port Number * (None:25, SSL:465, TL5:587)	
	E-mail Address *	Password *	
Mail Service	Event Resend Interval (hrs) *		
You can change the outgoing server's settings on this page.	Encryption * None Enable SSL Enable TLS		
	𝔅 Enable send e-mail	H Save Send test email	

3.8.9 Device Setting

Name the alias of the device for better identification.

= DFI		<u>1</u>	٥
∞ f7 ≣ ⇔ ⊻ ≛ ♣ ⊠	Device Name	Alias	
🖮 🔰 🖹 🔍	Device00001	 device1 	
	Latitude	Longitude	
\rightarrow	25.059067	121.634977	
	PhotoURL	Owner Name	
		Guest	
Device Settings You can modify device profiles on this page.		🔒 Delete 🛛 🖁 H Save	

3.8.10 Customized Map Setting

Select a file or drag here Please select an image Select a file

🗙 Cancel 🖪 Submit

Upload a customized map to indicate where the device is located. Press "Add New" to upload and name the customized map, the file format should be PNG.



After pressing the "Submit", the new map will be shown.



Click anywhere on the map, a marker will be pinned at the desired location.



Meantime, type the name of the marker and choose devices to be bind, click save button to apply. You can add several markers on the map.



You can also modify present markers or remove them at this page.

3.8.11 Device data setting

Determine the length of days to keep data in the database. If "Always keep" is chosen, data won't be deleted.



3.8.12 API key settings

A google map API key is necessary to activate the google map service, insert the key in the text field and press "update" button to confirm.

≡ DFI		P :
	Goggle Map API Key *	
Api Key You should update the key per year. Last Update: 10/9/2020, 5:55:54 AM		

▶ 3.9 Event

3.9.1 New Events

The event page lists all events in a table. There are three types of tags in the list ("New", "Completed" and "All"). When a new event occurs, it will be put into the list under the "New" tag.

= DFI										P	٠
New 💿 Comp	leted	All									
Eac be Lat	h devico solved. est Ever 0	e will generate one ev	ent log per day under Show Show All	the same	e circumstances. A new log o	ccurs only if t	he old log	of the s	ame day		
Show 10 🗸	entries						Search	:			
Index		TIME	DEVICE	\$	DETAIL	OWNER		φ A	CTION		
1		2017-10-03 10:38:28	CN185		Device00985 offline	Guest			Solve		
2		2017-10-03 10:15:52	TW001		Storage 0 temperature over thershold, value : 60 celsius.	Guest			Solve		
3		2017-10-03 10:09:20	JP100		Storage 1 temperature over thershold, value : 60 celsius.	Guest			Solve		
4		2017-10-03 10:06:57	NL064		Device00664 offline	Guest			Solve		
5		2017-10-03 10:01:43	JP038		Device00438 offline	Guest			Solve		
6		2017-10-03 10:01:24	TW149		Device00149 offline	Guest			Solve		
7		2017-10-03 10:00:14	JP051		Storage 0 lifespan over thershold, value : 40 days.	Guest			Solve		
8		2017-10-03 09:55:48	NL005		Device00605 offline	Guest			Solve		
9		2017-10-03 09:54:53	JP066		Device00466 offline	Guest			Solve		
10		2017-10-03 09:52:23	JP060		Device00460 offline	Guest			Solve		
Showing 1 to 10 of	100 entr	ies				Previous	1 2	3 4	5	10	Next

If the "Solve" button was clicked, events will be moved to the "Completed" page.

3.9.2 Completed events

This page shows completed events.

≡ DF	I							P	٠
Event									
New O	Completed	All							
	Each devi be solved Latest Eve 100	ce will generate one ev ent Logs:	vent log per day unde Show Show All	r the same	e circumstances. A new log o	ccurs only if the old	d log of the same day		
Show 10	✓ entries					Se	arch:		
Index	*	TIME	DEVICE	0	DETAIL	OWNER	ACTION		
1		2017-10-03 10:57:11	NL133		Device00733 offline	Guest			
2		2017-10-03 10:56:44	CN065		Device00865 offline	Guest			
3		2017-10-03 10:54:35	NL011		Device00611 offline	Guest			
4		2017-10-03 10:54:32	US191		Storage 1 lifespan over thershold, value : 130 days.	Guest			
5		2017-10-03 10:51:31	CN200		Storage 1 temperature over thershold, value : 79 celsius.	Guest			
6		2017-10-03 10:50:02	US009		Device00209 offline	Guest			
7		2017-10-03 10:49:35	JP158		Device00558 offline	Guest			
8		2017-10-03 10:49:17	NL095		Device00695 offline	Guest			
9		2017-10-03 10:45:20	JP086		Storage 0 lifespan over thershold, value : 129 days.	Guest			
10		2017-10-03 10:41:52	CN200		Storage 1 temperature over thershold, value : 71 celsius.	Guest			
showing 1 to 1	10 of 100 entri	es				Previous 1	2 3 4 5	10	Next

3.9.3 All events

The "All" events page shows all events including solved ones.

≡ DFI										1 0	٠
Event											
New 💽 (Each devic be solved.	e will generate one ev	rent log per day under ti	he same	circumstances. A new log o	ccurs only if the old log	of the	same	day		
	100		Show Show All								
Show 10	✓ entries					Search	:				
Index	*	TIME	DEVICE	φ.	DETAIL	OWNER	¢	ACTI	ON		
1		2017-10-03 10:57:11	NL133		Device00733 offline	Guest					
2		2017-10-03 10:56:44	CN065		Device00865 offline	Guest					
3		2017-10-03 10:54:35	NL011		Device00611 offline	Guest					
4		2017-10-03 10:54:32	US191		Storage 1 lifespan over thershold, value : 130 days.	Guest					
5		2017-10-03 10:51:31	CN200		Storage 1 temperature over thershold, value : 79 celsius.	Guest					
6		2017-10-03 10:50:02	US009		Device00209 offline	Guest					
7		2017-10-03 10:49:35	JP158		Device00558 offline	Guest					
8		2017-10-03 10:49:17	NL095		Device00695 offline	Guest					
9		2017-10-03 10:45:20	JP086		Storage 0 lifespan over thershold, value : 129 days.	Guest					
10		2017-10-03 10:41:52	CN200		Storage 1 temperature over thershold, value : 71 celsius.	Guest					
Showing 1 to 1	10 of 100 entri	es				Previous 1 2	3	4 5		10	Next

Chapter 4 Agent Operation(Client)

Before operating following process of client side, please make sure the RemoGuard server package has been installed and running successfully.

The Agent dashboard as below displays CPU, memory loading, and storage information such like temperature, lifespan and P/E cycle.

Note: Storage lifespan shows no information in the beginning, it may need 1 day to calculate from the FW algorithm.



► 4.1 Setting Menu

Please find and press the "setting" icon located on the top right corner to show the menu.



4.1.1 Device Setting



To set up connection with Server side, insert the server IP and press "Submit".



A message will show the result.

Then press DFI logo on the top left to return to the agent dashboard.



Check the connection status with green light that indicates the connection is working normally.



Server will assign an ID of this device in the "Device Name" column automatically.



You can specify an alias of the device.



"Upload Interval" determines the interval of sending data to server.



4.1.2 Location setting

Point out the device location by longitude and latitude. Device will show on the server side's map according to this setting.



4.1.3 Threshold setting

Set up thresholds of storage information to trigger event notification.



► 4.1 Event notification

Press the icon next to settings on the top right corner to get the event notifications list. This icon also shows the amount of notifications.



Appendix

Appendix

Memory and SSD Compatibility List

SSDs compatible with OOB

Model Name	Interface	Flash Type
InnoAGE™ 2.5" SATA SSD 3TI7	SATA III 6.0 Gb/s	3D TLC

or visit https://www.innodisk.com/en/products/flash-storage/ssd/ and find the model name prefixed by "Innoage".

SSDs compatible with information retrieving

Model Name	Interface	Flash Type
2.5" SATA SSD 3TG6-P AES	SATA III 6.0 Gb/s	3D TLC
2.5" SATA SSD 3MV2-P	SATA III 6.0 Gb/s	MLC
2.5" SATA SSD 3MG2-P	SATA III 6.0 Gb/s	MLC
Slim SSD 3ME4	SATA III 6.0 Gb/s	MLC
InnoAGE™ 2.5″ SATA SSD 3TI7	SATA III 6.0 Gb/s	3D TLC
2.5" SATA SSD 3TS5-P	SATA III 6.0 Gb/s	3D TLC
Slim SSD 3ME3	SATA III 6.0 Gb/s	MLC
2.5" SATA SSD 3SE2-P AES	SATA III 6.0 Gb/s	SLC
1.8" SATA SSD 3TG6-P	SATA III 6.0 Gb/s	3D TLC
1.8" SATA SSD 3MG2-P	SATA III 6.0 Gb/s	MLC
2.5" SATA SSD 3TG6-P	SATA III 6.0 Gb/s	3D TLC
2.5" SATA SSD 3SE-P	SATA III 6.0 Gb/s	SLC
2.5" SATA SSD 3ME3	SATA III 6.0 Gb/s	MLC
1.8" SATA SSD 3MR3-P	SATA III 6.0 Gb/s	MLC
2.5" SATA SSD 3SE4	SATA III 6.0 Gb/s	SLC
2.5" SATA SSD 3IE3	SATA III 6.0 Gb/s	iSLC
1.8" SATA SSD 3SR-P	SATA III 6.0 Gb/s	SLC
2.5" SATA SSD 3ME4	SATA III 6.0 Gb/s	MLC
1.8" SATA SSD 3SE2-P AES	SATA III 6.0 Gb/s	SLC
2.5" SATA SSD 3MR3-P	SATA III 6.0 Gb/s	MLC
2.5" SATA SSD 3SR-P	SATA III 6.0 Gb/s	SLC
2.5" SATA SSD 3IE2-P	SATA III 6.0 Gb/s	iSLC
2.5" SATA SSD 3SE3	SATA III 6.0 Gb/s	SLC
2.5" SATA SSD 3SE	SATA III 6.0 Gb/s	SLC

3.5" Fire Shield SSD	SATA III 6.0 Gb/s	iSLC, SLC
2.5" SATA SSD 3TE7	SATA III 6.0 Gb/s	3D TLC
2.5" SATA SSD 3MR2-P	SATA III 6.0 Gb/s	MLC
1.8" SATA SSD 3SE	SATA III 6.0 Gb/s	SLC
2.5" SATA SSD 3MG2-P AES	SATA III 6.0 Gb/s	MLC
2.5" SATA SSD 3SR3-P	SATA III 6.0 Gb/s	SLC
2.5" PATA SSD 1SR-P	PATA	SLC
2.5" PATA SSD 1SE	PATA	SLC
2.5" PATA SSD 1MG3-P	PATA	MLC
1.8" SATA SSD 3MG3-P	SATA III 6.0 Gb/s	MLC
2.5" SATA SSD 3IE4	SATA III 6.0 Gb/s	iSLC

or visit

https://www.innodisk.com/en/products/flash-storage/ssd/

Memory modules compatible with information retrieving

https://www.innodisk.com/en/products/dram-module

Notes

1. OOB functions strictly rely on InnoAGE SSDs.

2. Memory information varies from the module, to install an Innodisk module is strongly advised to get complete status and avoid incompatible issues.

3. Functions might be limited by installing SSDs or memory modules not listed above.