



User Guide

RS9 SVS Server

- 2U 8Bay RS9 SVS Server
- 3U 16Bay RS9 SVS Server





Copyright © 2023 Fibrenetix Aps or its subsidiaries. All rights reserved.

Published Jan 2023

Fibrenetix believes the information in this publication is accurate as of its publication date. The information is subject to change without notice.

Fibrenetix disclaims all warranties, express or implied, including, without limitation, those of merchantability, fitness for a particular purpose with respect to contents of this User's Manual. Users must take full responsibility for the application of the product.

Fibrenetix, and other trademarks are trademarks of Fibrenetix or its subsidiaries. Other trademarks may be the property of their respective owners.

Fibrenetix House Langebjerg 23B 4000 Roskilde DENMARK

http://www.fibrenetix.com

Do not dispose this electronic device into the trash while discarding. Please recycle to minimize pollution and ensure environment protection.



2 - RS9 User Guide





Table of Contents

Safety Precautions	4
Operational Safety	4
Electrical Safety	4
Storage Video Server – RS9 Series	5
Introduction	5
Technical Specifications:	6
Hardware Information	7
Front Panel View	7
Rear Panel View	7
Installation in rack	9
Installing disk drives in system	
HDD Replacement	
Connecting RAID Controller's Ethernet and RS232 Port	11
FAN replacement	12
Power Suppy Unit PSU replacement	12
Fibrenetix RS9 Server RAID Controller Storage Management	13
Web Browser Management	14
Creating a RAID set	14
Creating a volume set	15
Progress of Volume initialization	17
Event Log	17
E-mail Alert	
SNMP Configuration	
Raid Controller management Access via LAN	19
Fibrenetix RS9 Server Administration	19
Configuring SNMP Services on Windows Server	19
Installing and Configuring SuperDoctor5	21
Web Based Server Monitoring	22
Alert Configuration	23
Report	25
IPMI LAN Management	25
Configuring BIOS	25
Accessing the Server Using the Browser	27
Alert Configuration	27
SNMP Configuration	28
Point of Contact	29

3 – RS9 User Guide





Safety Precautions

Before installing and using the equipment, please read the following precautions:

Operational Safety

- Place the equipment on a reliable surface during installation. Dropping it or letting it fall could cause damage.
- Avoid the dusty, humidity and temperature extremes.
- Do not place heavy objects on the equipment.
- If one of the following situations arises, get the equipment checked be service personnel:
 - The power cord or plug is damaged.
 - Liquid has penetrated the equipment.
 - The equipment has been exposed to moisture.
 - The equipment does not work well, or it cannot work according to the user's manual.
 - The equipment has been dropped and damaged.
 - The equipment has obvious signs of breakage.

Electrical Safety

- The power outlet shall be installed near the equipment and shall be easily accessible.
- Turn off the system power and disconnect the power cord from its source before making any installation. Be sure both the system and the external devices are turned OFF. Sudden surge of power could ruin sensitive components. Make sure the equipment is properly grounded.
- When the power is connected, never open the equipment. The equipment should be opened only by qualified service personnel.
- Make sure the voltage of the power source is correct before connecting the equipment to the power outlet.
- Disconnect this equipment from the power before cleaning. Use a damp cloth. Do not use liquid or spray detergents for cleaning.
- If the equipment is not used for long time, disconnect it from the power to avoid being damaged by transient over-voltage.



CAUTION! This server system is heavy. Ask for assistance when moving or carrying the system.





Storage Video Server – RS9 Series



- 2U, 8 Bay HDDs
- 3U, 16 Bay HDDs

Introduction

The Fibrenetix RS9- SVS Series, High Performance, Reliable & Scalable solution for Video Surveillance. Fibrenetix xRAID-6 video optimizedRAID controller is an integral part of all our standard products, offering increased performance and camera count of more than 30% per server, compared to a standard server.

If multiple virtual machines on a multi-processor platform are required, Fibrenetix SVS 3U-16-bay, with dual 12-core processors, 512GB memory and a massive 160TB internal storage, meets the requirements of the 100-500 camera segment.

Ultra-dense Formfactor







Technical Specifications:

Storage Video server	RS9-86x Series	RS9-1662 Series	
Product Codes	RS9-862-861-M16-A4 RS9-862-862-M16-A4 RS9-864-861-M16-A4 RS9-864-862-M16-A4	RS9-1662-xxx-M16-Ax RS9-1662-xxx-M16-GPAx	
Processor(s)	Intel® Xeor	n® Scalable CPU	
Number of CPUs	1 (upgradeable to 2) 1 (upgradeable to 2)		
Maximum cores per CPU	16	24	
Memory: Standard / Maximum	8GB	/ 2048GB	
OS Storage (internal 2.5")	2x 24	10GB SSD	
No. of Drive Bays 2.5" or 3.5"	8x Hot-swap	16x Hot-swap	
Optional 10GBps Support	Y	'es (2)	
No. of Onboard LAN Ports	2/4	2	
Hot-swap Components	HDDs,	PSUs, Fans	
Maximum HDD Capacity		18TB	
Storage Capacity (gross)	144TB	288TB	
Max Capacity – Incl. Expansion SAS	4.6PB		
Max Capacity - Per IP San Controller	9.2PB		
Hardware RAID Levels	0, 1, 3, 5, 6, 50, 60		
USB Ports	2x USB 3.0 - 2x USB 2.0		
Video Ports	1	x VGA	
Default Operating System	Windows Sto	rage Server 2016	
No. of PSUs		2	
Power Supply	2x 800W	Power Supply	
Voltage	110-24	0v 50/60Hz	
Dimensions - mm (D x W x H)	700mm x 444mm x 88mm (2U)	700mm x 444mm x 132mm (3U)	
Net Weight (CPU,DRAM, HDDs, GPUs not included)	20.8kgs	23.4kgs	
Environment	Operation temperature: 10°C ~ 35°C Non-operation temperature: -40°C ~ 70°C		
Relative Humidity (%)	Non-operation humidity:	20% ~ 90% (Non-condensing)	
Accessories	2 x Power Cords, Warra	nty Card, Quick-User Guide	
Certification	BSMI, CE, R	CM, FCC(Class A)	
BTU	2,	735.36	
Standard Warranty Period	3	Years	

*Specifications are subject to change, without prior notice.

6 – RS9 User Guide





Hardware Information

Front Panel View



Front Chassis features	
Feature	Description
HDD Carriers	hot-swap hard drive carriers
Control Panel	Front control panel with LEDs and Buttons
Rack Ear Brackets	Secures the server chassis to the rack

Rear Panel View



7 – RS9 User Guide







Rear Chassis features	
Feature	Description
Power Supply	Power Supply module (2x for redundancy)
COM Port 1	RS232 Com Port
IPMI Port	IPMI -dedicated LAN Port
USB Port	Port 0, Port 1
Gigabit LAN	LAN1, LAN3, LAN2, LAN4
VGA	Back Panel VGA
RAID Controller Ports	SAS Expansion Port
	RAID Controller management port
	RJ11 RS232 Console port





Installation in rack

When all items are taken out of the box – prepare for installation in a rack. To install the system in a rack with the kits, please follow the procedure.

- 1. Prepare the rails and the screws
- 2. Assemble the rail kits by sliding them together



3. At the **Front** and **REAR**, put the nuts on the appropriate place and the use the screws to install the mounting brackets.





4. Slide the system to the Rails





CAUTION!!!!

The system is heavy. To avoid personal injury and damage to the system, it should be installed by two persons.





Installing disk drives in system



Warning: Disconnect the power supply inlets before opening the storage enclosure for maintenance. Caution: Do not place or drop objects onto the enclosure and do not force any foreign objects into it.

When the system is mounted and secured in a rack then install the disk drives.

To install a Disk Drive caddy in the storage enclosure, follow the procedure below:

- Orient the caddy so that the LED indicator is at the left-hand side.
- With the locking lever fully open, gently slide the caddy into the desired slot on the front of the enclosure.
- When the caddy is in all the way, slowly close the locking lever until it clicks into place.





HDD Replacement

- In case of HDD replacement, Remove the four screws to detach the HDDs from the Caddy
- Never leave the enclosure open (without a caddy)







- The RS9 is equipped with two internal SSDs for the Operating System.
- The Operating System Installed on the SSDs disks are in RAID 1 Configuration.



Connecting RAID Controller's Ethernet and RS232 Port

Connect the Ethernet port of the RAID controller using an Ethernet cable to a LAN port or LAN switch





RAID Controller Management Port





FAN replacement

- Identify the faulty fan before the replacement.
- RS9 Fans are easy to remove and replace.
- Lift the fan from the FAN cage to remove.
- Remove and replace the FAN connector from the Faulty FAN to the new FAN.
- Align and Insert the replacement fan to the fan cage gently.
 - The airflow directional arrow on the fan side should point towards the system rear panel.
- Do not forget to close the enclosure cover properly before starting the machine.



Power Suppy Unit PSU replacement

- Identify the faulty PSU before the replacement.
- Disconnect the power cable connected to the faulty PSU.
- Push the nob and pull the PSUs carefully.
- Insert the replacement PSU to the slot and connect the power cable.









Fibrenetix RS9 Server RAID Controller Storage Management

The Fibrenetix RS9 Web Based RAID Management allows a system administrator to Configure as well as monitor system health and manage computer events remotely. User can manage the RAID subsystem via standard web browsers connected to the RJ45 LAN Port.

Two Methods to Access the Web Based GUI on the Server.

• Open the webpage by double clicking the icon for the RAID controller on the system tray



• Click on your Server Web management under the SAS RAID controllers

open all close all						
ArcHTTP - v2.5.2	General Configurations					
System Functions	Binding IP	0.0.0.0 🗸				
SAS RAID Controllers	HTTP Port#	81 Secure Connection (SSL)				
RS9-864-IXL-8 Web Management	SMTP Port#	25 Secure Connection (SSL)				
SATA RAID Controllers	Display HTTP Connection Information To Console	○ Yes [●] No				
	Scanning PCI Device	● Yes ○ No				
	Scanning RS-232 Device	O Yes ● No				
	Scanning Inband Device	○ Yes ● No				
	Event Log File Name					
	Confirm The Operation					
	Submit Reset					

or

• Enter the IP address in the web browser with the local host as IP address 127.0.0.1:82 or enter http://[MACHINE_IP_ADDRESS]:82

Default Credentials

- Username: "admin"
- Password: "0000

admin	
••••	
Remember my credentials	
OK	Cancel

Note: Make sure that the *ArcHttproxyServer* Service is running in Services

👒 Services					- 🗆	×
File Action View	Help					
♦ ♦ 🔲 🗐 🤇	2 🗟 🛛 🔐 📷 🛛 🕨 💷 💷 🕨					
Services (Local)	Services (Local)					
	ArcHttpProxyServer	Name	Description	Status	Startup Type	Log ^
	Stop the service Restart the service	ActiveX Installer (AxInstSV) App Readiness App Readiness App Readiness Application Identity Application Identity Application Identity Application Agence Gateway Application Management Application Management Application Paperox	Provides Us Routes AllJo Gets apps re Determines Facilitates t Provides su Processes in Provides inf	Running Running	Manual Manual (Trig Manual Manual (Trig Manual Manual Manual Manual	Loc Loc Loc Loc Loc Loc Loc Loc
		ArcHttpProxyServer		Running	Automatic	Loc
		🧠 Auto Time Zone Updater 🧠 Background Intelligent Tran	Automatica Transfers fil		Disabled Manual	Loc Loc
		🖾 Background Tasks Infrastru	Windows in	Runnina	Automatic	Loc





Web Browser Management

The startup screen displays the current configuration of the RAID subsystem. It Displays the RAID set list, volume set list and Physical Disk list.

todify Pesa-Through Disk.	1			- 1///			
Delete Pess-Through Disk	Stop Auto	Stop Auto Refresh					
Jone Disk	. RaidSet Him	ranchy					
3 Set Disk To Be Failed 3 Activate Failed Disk 3 Identify Enclosure 3 Identify Drive 5 System Controls	RAID Set	RAID Set		Devices		let(Px/Targ.Lun)	
	Raid Set # 000	10 E	Efisioni.		ST253-DH-VOL#000(06:18/282/80.0)		
			EFLSkot#2				
			E#1Sch#3				
			E+15id.e4				
system Configuration			EF150075				
Advanced Canfiguration Hidd Power Management ISCSI Configuration EtherNet Configuration			E#18lot#6				
			E#1Sot#7				
			E#1Sot#E				
liert By Hell Configuration							
SNMP Configuration							
NMP Configuration	10 million						
INMP Configuration	• Enclosure#1	I : SAS RATD	Subsystem !	V1.0			
NMP Configuration (TP Configuration (lev) Events/Mate Besper Inversite Text Fuend	• Enclosure#1 Device	t : SAS RAID	Subsystem (V1.0 Capacity		Model	
NMP Configuration (TP Configuration New Events/Mute Beeper Senerate Test Event Sear Event Buffer	• Enclosure#1 Device Sict#1(1A)	Usage Faid Set 4	Subsystem (V1.0 Capacity 4000.855	_	Model TOSH054 MD034C4400V	
NMP Configuration (TP Configuration New Events/Nube Beeper Jean Event Buffer Jean Event Buffer Kolfly Password	• Enclosure#1 Device Sict#1(1A) Sict#2(19)	I : SAS RATD Usage Raid Set # Raid Set #	Subsystem (000 000	V1.0 Capacity 4000.855 4000.955		Model TOSHDBA MD03ACA4009 TOSHIBA MD03AC44009	
NMP Configuration ITP Configuration New Events/Nube Beeper Jean Event Buffer Vocify Password Ipgrade Firmware	• Enclosare#1 Device Sist#1(1A) Sist#2(19) Sist#3(D)	I : SAS RATD Usage Raid Set # Raid Set # Raid Set #	Subsystem (000 000 000	V1.0 Capacity 4000.855 4000.855 4000.855		Madal TOSHIBA MD03ACA400V TOSHIBA MD03ACA400V TOSHIBA MD03ACA400V	
NMP Configuration (TP Configuration (Non Exercise/Nato Besper Senerate Test Event Near Event Buffer Kothy Password Huttown Controller	• Enclosare#1 Device Sist#1(1A) Sist#2(19) Sist#3(D) Sist#4(7)	I : SAS RAID Usage Faid Set # Raid Set # Raid Set # Raid Set #	Subsystem (000 000 000 000	V1.0 Capacity 4000.855 4000.855 4000.855 4000.855		Model TOSHIBA MD03ACA400V TOSHIBA MD03ACA400V TOSHIBA MD03ACA400V TOSHIBA MD03ACA400V	
NHP Configuration (TP Configuration New Events/Nate Besper Jamerate Test Event Case Event Bartler foothy Password Opgrade Firmware Houtown Controller restert Controller	• Enclosure#1 Device Sistr1(1A) Sistr2(19) Sistr3(D) Sistr4(f) Sistr3(C)	I : SAS RATD Usage Faid Set # Raid Set # Raid Set # Raid Set # Raid Set #	Subsystem (000 000 000 000 000	V1.0 Capacity 4000.835 4000.935 4000.935 4000.935 4000.935		Model TOSHDA HDD3ACA405Y TOSHDA HDD3ACA405Y TOSHDA HDD3ACA405Y TOSHDA HDD3ACA405Y TOSHDA HDD3ACA405Y	
NHP Configuration (17 Configuration Inv EventAffate Besper Jeansto Test Event Jean Event Buffer Kodh y Rassword Jograde Himware Autown Controller Institut Controller Institut	• Enclosure#1 Device Sotr1(1A) Sotr2(19) Sotr2(19) Sotr2(10) Sotr2(1) Sotr2(1) Sotr2(1) Sotr2(1)	I : SAS RATO Usage Fait Set # Rait Set # Rait Set # Rait Set # Rait Set #	Subsystem 1 000 000 000 000 000 000	V1.0 Capacity 4000.835 4000.835 4000.835 4000.835 4000.835 4000.835 4000.835		Nodel TOSHDBA MD03ACA400V TOSHDBA MD03ACA400V TOSHDBA MD03ACA400V TOSHDBA MD03ACA400V TOSHDBA MD03ACA400V TOSHDBA MD03ACA400V	
Nove Configuration (Nove Events/Nate Beeper Januarita Test Event Jaar Event Event Jaar Event Buffer footby Personnot (pgrade Firmware Nationn Controller metion (ND) Bet Heranchy (ND Det Heranchy)	•Enclosure#1 Device Sofr3(1A) Sofr3(1A) Sofr3(1B) Sofr4(7) Sofr4(7) Sofr4(7) Sofr4(7) Sofr4(7) Sofr4(7)	L : BAS RATD Usage Raid Set # Raid Set # Raid Set # Raid Set # Raid Set # Raid Set #	Subsystem (000 000 000 000 000 000 000	V1.0 Capacity 4000.855 4000.855 4000.855 4000.855 4000.855 4000.958 4000.958		Nodel TOSHDA HDD3AC4400V TOSHDA HDD3AC4400V TOSHDA HDD3AC4400V TOSHDA HDD3AC4400V TOSHDA HDD3AC4400V TOSHDA HDD3AC4400V TOSHDA HDD3AC4400V TOSHDA HDD3AC4400V	
Note Configuration (Not Exertly Antibion (Not Exertly Affaits Beeper Jeanstaty Tata Event Jean Event Buffer Kotty Password (Sty Password Autions Controller entatic Controller entation (AD) Set Hearthy AD) Set Hearthy AD) Set Hearthy AD) Set Hearthy	• Enclosure#1 Device Sist#1(1A) Sist#1(9) Sist#1(9) Sist#1(9) Sist#1(9) Sist#1(1) Sist#1(1)	I : SAS RATO Voige Raid Set 6 Raid Set 6 Raid Set 7 Raid Set 7 Raid Set 7 Raid Set 7 Raid Set 7 Raid Set 7	Subsystem 1 000 000 000 000 000 000 000 000	V1.0 Capacity 4000.835 4000.835 4000.835 4000.835 4000.835 4000.835 4000.835		Nodel То5-го54 MD034C44009 То5-го54 MD034C44009 То5-го54 Маразасаноо9 То5-го54 Маразасано09 То5-го54 МD034C44009 То5-го54 МD034C44009 То5-го54 Маразасано09	
1409 Configuration 1409 Configuration Iver Eventa/Nate Beeper Benerate Teat Event Sear Event Builder footby Wessword footby Wessword Ivertex Controller Institute Contro	• Enclosure#) Device Soff11(A) Soff2(19) Soff2(1) Soff2(1) Soff2(1) Soff2(1) Soff2(1) Soff2(1) Soff2(1) Soff2(0)	L : SAS RATD Usage Raid Set 0 Raid Set 0 Raid Set 4 Raid Set 4 Raid Set 4 Raid Set 4 Raid Set 4 Raid Set 4 Raid Set 3 Raid Set 3	Subsystem (000 000 000 000 000 000 000 000 000	V1.0 Capacity 4000.855 4000.855 4000.855 4000.858 4000.858 4000.858 4000.858 4000.858		Nadel ТОБНОВ ИОЗАСАНОУ ТОБНОВ ИОЗАСАНОУ ТОБНОВ ИОЗАСАНОУ ТОБНОВ ИОЗАСАНОУ ТОБНОВ ИОЗАСАНОУ ТОБНОВ ИОЗАСАНОУ ТОБНОВ ИОЗАСАНОУ ТОБНОВ ИОЗАСАНОУ ТОБНОВ ИОЗАСАНОУ	
NWP Configuration TVP Configuration New Eventa Yista Besper Javarda Test Event Saar Event Buffer Socity Passoword Opprade Himsawa Nutriown Controller Intellown Controller Intellown Controller Intellown Controller Intellown Controller AS Chip Information National Dist Hearthy AS Chip Information workware MonRoc	• Enclosure#1 Device Sist#11A) Sist#3(D) Sist#	E : SAS RATD Usage Raid Set 4 Raid Set 4 Raid Set 4 Raid Set 7 Raid Set 7 Raid Set 4 Raid Set 4 Raid Set 7 Raid Set 7 Rai	Subsystem 1 600 600 600 600 600 600 600 600 600	V1.0 Capacity 4000.505 4000.505 4000.505 4000.505 4000.505 4000.505 4000.505 4000.505 4000.505 4000.505		Када ТОС-ЮА НОЗАСАНОС ТОС-ИТА НОЗАСАНОС ТОС-ИТА НОЗАСАНОС ТОС-ИТА НОЗАСАНОС ТОС-ИТА-ИТА-КАЛОС ТОС-ИТА-ИТА-КАЛОС ТОС-ИТА-ИТА-КАЛОС ТОС-ИТА-ИТА-КАЛОС ТОС-ИТА-ИТА-КАЛОС ТОС-ИТА-ИТА-КАЛОС ТОС-ИТА-ИТА-КАЛОС ТОС-ИТА-ИТА-КАЛОС	
NHP Configuration TPC Configuration New EventaXNiska Beeper Isaar Event Buffer Isaar Event Buffer Isaar Event Buffer Isaar Event Buffer Isaar Event Buffer Isaar Event Buffer Isaar Event Nation Controller Immotion NATI: Bits Heerarchy ASC Chip Information yatem Information wardware Monitor	Endosare#1 Device Device Device Set#211A Set#2119 Set#219 Set#219 Set#219 Set#219 Set#219 Set#2018 Set#2018 Set#1018	I : SAS RAID Usage Raid Set 0 Raid Set 0 Raid Set 7 Raid Set	Subsystem 1 000 000 000 000 000 000 000 000 000	V1.0 Capacity 4000.855 4000.855 4000.855 4000.855 4000.855 4000.855 4000.855 4000.855 4000.855 4000.855 4000.855		Изина ТОБНОБА ИВОЗАСАНОУ ТОБНОБА ИВОЗАСАНОУ ТОБНОБА ИВОЗАСАНОУ ТОБНОБА ИВОЗАСАНОУ ТОБНОБА ИВОЗАСАНОУ ТОБНОБА ИВОЗАСАНОУ ТОБНОБА ИВОЗАСАНОУ ТОБНОБА ИВОЗАСАНОУ ТОБНОБА ИВОЗАСАНОУ ТОБНОБА ИВОЗАСАНОУ	

Creating a RAID set

Go to RAID functions in the left menu: Select 'Create RAID set'.

open all close all	fibrenetix storage Server CONETGURATION MANAGER	
Raid System Console Quick Function RAID Set Functions Create RAID Set Delete RAID Set Expand RAID Set Offline RAID Set Anne RAID Set Rename RAID Set Active RAID Set Active RAID Set Comparison Delete RAID Set Active Incomplete RAID Set	SLOT 01 4000.8GB TOSHIBA MD03ACA400V SLOT 01 4000.8GB TOSHIBA MD03ACA400V SLOT 02 4000.8GB TOSHIBA MD03ACA400V SLOT 03 4000.8GB TOSHIBA MD03ACA400V SLOT 04 4000.8GB TOSHIBA MD03ACA400V SLOT 03 4000.8GB TOSHIBA MD03ACA400V SLOT 04 4000.8GB TOSHIBA MD03ACA400V SLOT 05 4000.8GB TOSHIBA MD03ACA400V SLOT 06 4000.8GB TOSHIBA MD03ACA400V	Select all drives by clicking each on There is no option 'SELECT ALL'. Click the 'Confirm The Operation' and click 'Submit' when done.
Create Hot Spare Delete Hot Spare Rescue Raid Set Volume Set Functions Colume Set Functions Physical Drives System Controls Information	SLOT 07 4000.8GB TOSHIBA MD03ACA4094 SLOT 08 4000.8GB TOSHIBA MD03ACA400V Raid Set Name Raid Set # 000 Raid Set # 000 Raid Set Mode Max 128 Volumes • Max 128 Volumes • Submit Reset Reset Max 128 Volumes •	You have now created a RAID SET.
	Controller Response	
	Raid Set Created Successfu	illy

Next step is to create a Volume of the RAID Set.





Creating a volume set

To create a Volume based upon the newly created RAIDSET – go to the Volume menu on the left.



Configuring the Volume set

The volume set can be configured as follows as Fibrenetix standard:







Additional settings

Go to the System Controls menu on the left and select System configuration.

Configure Hot plugged disk for rebuilding

Go to 'System Configuration' and configure 'Hot plugged Disk For Rebulding'



Buffer Threshold Setting

Go to 'Advanced Configuration' and configure the 'Buffer threshold Settings'.







Progress of Volume initialization

To view the progress of the initialization of the Volume set – go to the information menu and select RAID set Hierachy.



Event Log

To view the RAID subsytem's event information go to system Controls->view Events/ mute Beeper

• This function automatically enable by clicking on the "view Events / Mute Beeper"

] RevertSP	System Events Info	rmation		
Physical Drives	Time	Device	Event Type	Elapse Time
Create Pass-Through Disk	2018-03-14 08:45:40	ST350-DM-VOL#000	Start Initialize	
Doloto Pass-Through Disk	2018-03-14 08:45:38	ST350-DM-VOL#000	Create Volume	
Clone Disk	2018-03-14 08:27:23	192.168.008.105	HTTP Log In	
Abort Cloning	2018-03-14 07:59:26	Raid Set # 000	Create RaidSet	
Set Disk To Be Failed	2018-03-14 07:59:11	Raid Set # 000	Delete RaidSet	
Activate Failed Disk	2018-03-14 07:50:08	Raid Set # 000	Create RaidSet	
Identify Enclosure	2018-03-14 07:49:52	Raid Set # 000	Delete RaidSet	
Identify Drive	2018-03-14 07:49:20	Raid Set # 000	Create RaidSet	
ystem Controls	2018-03-14 07:48:59	Raid Set # 000	Delete RaidSet	
System Configuration	2018-03-14 07:42:08	Raid Set # 000	Create RaidSet	
Hdd Power Management	2018-03-14 07:28:31	Raid Set # 000	Delete RaidSet	
iSCSI Configuration	2018-03-14 07:28:09	H/W Monitor	Raid Powered On	
EtherNet Configuration	2018-03-14 07:27:43	192,168,008,105	HTTP Log In	
Alert By Mail Configuration	2018-03-14 07:09:44	H/W Monitor	Raid Powered On	
SNMP Configuration	2018-03-14 07:09:37	192,168,008,105	HTTP Log In	
NTP Configuration	2018-03-14 07:00:27	192 168 008 105	HTTP Log In	
View Events/Mute Beeper	2018-03-14 06:59:49	192,168,008,100	HTTP Log In	
Generate Test Event	2018-03-14 06:58:24	192,168,001,100	HTTP Log In	
Clear Event Buffer	2018-03-14 06:53:52	192 168 001 100	HTTP Log In	
Hoarado Eirmwara	2018-03-14 06:37:38	E#1 Power#2	Recovered	
Shutdown Controller	2018-03-14 06:37:38	E#1 FAN#4	Recovered	
Restart Controller	2018-03-14 06:37:38	E#1 FAN#3	Recovered	
formation	2018-03-14 06:37:06	E#1 Power#2	Failed	
	2010-03-14 06:37:06	E#1 FANH#4	Esiled	
	2018-03-14 06:37:06	E#1 EAN#3	Failed	
J2.168.8.250/evt0.htm	2010-03-14 06:37:06	E#1 Dewes#2	Deservered	





E-mail Alert

User can send alert via email by configuring the SMTP

- click on the "System Controls" link
- •Move the cursor bar to the "Alert By Mail Configuration" item
- •then select the desired function
- •The firmware contains a SMTP manager monitoring all system events
- •Single or multiple user notifications can be sent via "Plain English" e-mails

tem Console	SMTP Server Configuration					
Function	SMTP Server IP Address	0 0				
e Set Functions	Mail Address Configurations					
cal Drives	Sender Name :	Mall Address :				
stem Configuration	Account :	Password :				
vanced Configuration	Event Notification Configurations					
d Power Management herNet Configuration	MailTo Name1 :	Mail Address :				
ert by Mail Configuration	Cosable Event Notification	No Event Notification Will Be Sent				
MP Configuration P Configuration	C Urgent Error Notification	Send Only Urgent Event				
nv Events/Mute Beeper	C Serious Error Notification	Send Urgent And Serious Event				
nerate Test Event	C Warning Error Notification	Send Urgent, Serious And Warning Event				
dify Password	C Information Notification	Send All Event				
grade Firmware	Notification For No Event	Notify User If No Event Occurs Within 24 Hours				
utdown Controller start Controller	MailTo Name2 :	Mail Address :				
nation	Disable Event Notification	No Event Notification Will Be Sent				
	C Urgent Error Notification	Send Only Urgent Event				
	C Serious Error Notification	Send Urgant And Serious Event				
	C Warning Error Notification	Send Urgent, Serious And Warring Event				
	C Information Notification	Send All Event				
	Notification For No Event	Notify User If No Event Occurs Within 24 Hours				
	Maito Name3 :	Mail Address 1				
	C Disable Event Notification	No Event Notification Will Be Sent				
	C Urgent Error Notification	Send Only Urgent Event				
	C Serious Error Notification	Send Urgent And Serious Event				
	C Warning Error Notification	Send Urgent, Serious And Warning Event				
	C Information Notification	Send All Event				
	Notification For No Event	Notify User If No Event Occurs Within 24 Hours				
	MalTo Name4 :	Mail Address :				
	Disable Event Notification	No Event Nobification Will Be Sent				
	C Urgent Error Notification	Send Only Urgent Event				
	C Serious Error Notification	Send Urgent And Serious Event				
	C Warning Error Notification	Send Urgent, Serious And Warning Event				
	C Information Notification	Send All Event				
	Notification For No Event	Notify User If No Event Occurs Within 24 Hours				

SNMP Configuration

To configure the RAID subsystem's SNMP function, select System Controls > SNMP configuration.

The firmware contains SNMP agent manager monitors all system events and user can use the SNMP function from the web settings. This function can only set by the web-based configuration

- Enter the SNMP Trap Address
- Community name acts as a password to screen accesses to the SNMP agent. Enter community names of the SNMP agent.
 Before access is granted, this station must incorporate a valid community name into its request; otherwise, the SNMP agent will deny access to the system. Most network use "public" as default community names.

pen alliciose alli	58.0.26 :82					
Raid System Console Quick Function RAID Set Functions	fibrenetix Storage Server CONFIGURATION MANAGER	www.fibrenetix.com				
Yolume Set Functions						
Physical Drives	SNMP Trap Configurations					
System Controls	SNMP Trap IP Address #1	0.0	. 0 . 0	Port#	162	
System Configuration	SNMP Trap IP Address #2	0.0	. 0 . 0	Port#	162	
- Advanced Configuration	SNMP Trap IP Address #3	0.0	. 0 . 0	Port#	162	
Hid Power Management	SNMP System Configurations					
- Alert &v Mail Configuration	Community					
- SNMP Contiguration	sysContact.0					
- NTP Configuration	sysName.0					
- New Events/Mute beeper	sysLocation.0					
Generate Test Event	SNMP Trap Notification Configurations					
Clear Event Buffer	Disable SNMP Trap		No SNMP Trap Will Be Sent			
Modify Password	O Urgent Error Notification		Send Only Urgent Event			
Opgrade Firmware	O Serious Error Notification	O Serious Error Notification		Send Urgent And Serious Event		
D Restart Controller	O Warning Error Notification		Send Urgent, Serious And Warning Event			
C Information	O Information Notification		Send All Event			
-	SNMP Through PCI Inband		Ethernet SNMP Is Disabled			
	Confirm The Operation					
	Sublint					

^{18 -} RS9 User Guide





Raid Controller management Access via LAN



To remotely access the raid control management via LAN network, we need to setup the Ethernet configuration IP addresses. This webpage will be accessible on the remote servers on the LAN within the same IP subnet.

\leftrightarrow \rightarrow C A Not secure 192	.167.99.136:82						0- 7
	fibrenetix Storage Server CONFIGURATION MANAGER	www.fibrenety.com					
open all close all							
Daid System Cancels	Ether Net Configurations						
Ald System Console	DHCP Function		Disabled	~			
Galeria and a sections	Local IP Address (Used If DHCP Disabled)		192	. 168	200	250	
Volume Set Functions	Gateway IP Address (Used If DHCP Disabled)		192	. 168 .	200 .	10	
Physical Drives	Subnet Mask (Used If DHCP Disabled)		255	. 255	255	0	
🖻 😋 System Controls	HTTP Port Number (71688191 Is Reserved)		80				
Advanced Configuration	Telnet Port Number (71688191 Is Reserved)		23				
- 🚺 Hdd Power Management	SMTP Port Number (71688191 Is Reserved)		25				
EtherNet Configuration	Current IP Address		192.168.	200.250			
Alert By Mail Configuration	Current Gateway IP Address		192.168.	200.10			
	Current Subnet Mask		255.255.	255.0			
View Events/Mute Beeper	Ether Net MAC Address		00.1B.4D	0.11.63.23			
Generate Test Event							
- Clear Event Buffer	Confirm The Operation						
- Modify Password	Submit Reset						
- Ungrade Firmware							

Fibrenetix RS9 Server Administration

The Fibrenetix RS9 Server management administration using Super Doctor (SD5) helps the user the monitoring, control, and management functions. It helps the Hardware Monitoring: fan speed, temperature, voltage, chassis intrusion, redundant power failure, power consumption, disk health, raid health, and memory health also Provides SNMP extensions for network management system.

SD5 contains an SNMP extension module that should be plugged in into the Microsoft Windows SNMP service. Users can therefore query the readings of monitored items via SNMP.

Note: To install the SNMP extension, the Microsoft Windows SNMP service must be installed first.

Configuring SNMP Services on Windows Server

1. Open Server Manager, *Add roles and features* and proceed installation until you reach the Features page. Check the SNMP Service in the list of features.





Distriction	WELCOME TO SERVER MANAGER
Local Server All Servers File and Storage Services D	Configure this local server
	2 Add roles and features
	3 Add other servers to manage
	whatsnew 4 Create a server group
	5 Connect this server to cloud services
	Hide
Add Roles and Features Wizard	x
Berore You Begin Installation Type Server Selection Server Roles	Features Description Remote Assistance
Berore You Begin Installation Type Server Selection Server Roles Features Confirmation Results	Features Description Remote Assistance Instrumentation (WMI) Provider Remote Differential Compression Instrumentation (WMI) Provider Remote Server Administration Tools (2 of 41 instal Instrumentation (WMI) Provider Stepson Boot Event Collection Information. Clients can use WMI C+ Simple TCP/IP Services Communicate with network devices SMB Bandwidth Limit SMTP Service (0 of 1 installed) SMMP Service (0 of 1 installed) SMMP Instrumentation

- 2. Select the SNMP Service then Install the installation process will start.
- 3. Open the Services window, find the SNMP Service, and open Properties. On the General tab, be sure to select Automatic in the Startup Type section so that it is always available even after a restart of the Server

depend on it will fail to start.	Smart Card Device Enumera	Creates s Allows th	oft Running	Manual (Trig Manual	Loc Loc
	Stand Streve Share Trap Schware Protection Special Administration Con- Special Administration Con- Special Administration Con- Special Package Streve Still Image Acquisition Events	Eni Alla Ver Dis Pro Las	Start Stop Pause Resume All Tasks	nual tormatic (D., nual nual (Trig., ablect nual nual nual	Loc Net Loc Loc Loc Loc Loc
Extended (Standard /	4		Properties		>





Installing and Configuring SuperDoctor5

By Default RS9 Servers are installed with superDoctor5 software, with SD5 shortcut on the desktop. If required to Install contact Fibrenetix for the download link. Below are the installation steps.

- 1. Execute the SD5 installer. Note that you must have Administrator privileges to install and run SD5.
- 2. During Installation, If the Microsoft Windows SNMP service is installed, you can either:
 - install the SD5 and the SNMP extension,

	Install the SuperDoctor 5 extension
 Introduction License Agreement Choose an install folder Choose a Java VM Check SNMP Service Setup a key store Setup ports Configure web and tray Pre-Installation summary Installing Install Complete 	Do you want to install the SuperDoctor 5 SNMP extension? The SuperDoctor 5 supports the query of health information via SNMP. To use this function, the operating system built-in SNMP server must be installed. The installer has detected the built-in SNMP service in this system.

- 3. Select Yes to use the default key stores and click the Next button to continue
- 4. Three communication modes are supported in and by default, Mode B (SSL) and Mode C (Keypair) are enabled when SD5 is installed. You can configure the port numbers. Click next to continue.

	Setup port
 Introduction License Agreement Choose an install folder Choose a Java VM Chock SNMP Service Setup a key store 	SuperDoctor 5 supports three connection modes: plain text with allowed IP, anonymous SSL connection with allowed IP, and SSL connection with a public key infrastructure. You can configure the port numbers of the three modes.
Setup ports Configure web and tray Pre-Installation summary Installing Install Complete	Mode A. Non-SSL Port 5333 Mode B. SSL Port 5666 Mode C. Keypair Port 5999

5. SD5 provides the Web console "SD5 Web", Select Yes to enable the SD5 Web. You can also configure the default HTTP port number and the default HTTPS port number to access the SD5 Web. When completed, click the Next button to continue.

	Configure web and tr
Introduction License Agreement Choose an install folder Choose a Java VM Check SNMP Service Seture Age store	The SuperDoctor 5 contains a pluggable web server module and a system tray component that can be enabled or disabled. Note that you can also configure the detailed web settings of the SuperDoctor 5 Web if it is enabled.
Configure web and tray Pre-Installation summary Installing	Do you want to enable the SuperDoctor 5 Web? Yes ONO HTTPS Port 8444
Install Complete	Enter login user name and password: User Name admin Password 0000
	Do you want to enable the SuperDoctor 5 Tray? Yes O No

21 - RS9 User Guide



¥



6. Once Installation complete, Click the Done button to exit.

Web Based Server Monitoring

SD5 Web graphically displays the status of the monitored devices, including fan speed, voltage, temperature, chassis intrusion, power failure, hard disk drives, and memory. An item in green color indicates a healthy state while a red one denotes a critical state. Notifications can be sent when a monitored item reaches critical status

1. Login to the local web browser as shown below and enter the login Username and Password

	loca	lhost:84	44/Supe	rDoctor	5/login						
	L F L	Jser Name: admin Password: ••••				Login					
Fan Speed]				
			VEAT	Veput	Vena	VOMMAB		VDIMMEP	VOMMCH 1		Phi Status
Temperature	S SVEID	LEV PCM	LZV BAIC								PE2 States
T 100 40 40 40 40 40 40 40 40 40 40 40 40 4	T 100 00 00 00 00 00 00 00 00 0	T 100 40 40 40 41 120 44 42 36/96.5 PCit Tenp	C 40 00 00 00 00 00 00 00 00 00	70 190 80 80 80 80 80 80 80 80 80 80 80 80 80	С 00 00 00 00 00 00 00 00 00 0	100 100 100 100 100 100 100 100	100 000 000 000 000 000 000 000 000 000	70 00 00 00 00 00 00 00 00 00 00 00 00 0	70 7 100 60 60 60 60 60 60 60 60 60 60 60 60 6		

The health information page also shows power supply information if supported power supplies are connected to the motherboard via I2C. Depending on their design, power supplies might have Field Replaceable Unit (FRU) Data and/or PMBus functions.

Different colors are used to indicate the battery state. Green color means the battery is healthy, and red color means the battery is dead. If the current reading of the battery is negative, the color turns yellow to warn that the battery is discharged. In addition, the energy reading tells the percentage of the charge status of the battery.

The health of a RAID controller is a combined status that depends on the states of its components such as battery backup unit (BBU), virtual drives, and hard disks. If all components belonging to the adapter are OK, the status of the adapter shows OK. Otherwise, it could be Warning or Critical depending on the states of the components.





Alert Configuration

Note: A problem alert will be sent while the status of the monitored item is non-OK (i.e., WARNING, UNKNOWN or CRITICAL) from the initial or is from an OK state to a non- OK state or is from a non-OK state to another non-OK state. A recovery alert will be sent while the status of the monitored item is from a non-OK state to an OK state

Four methods are supported: Log, Email, SNMP Trap and System Tray

Note: Enabled Pooling: periodically checks the health status of monitored items if pooling is enabled. No alert is sent if pooling is disabled.

- Polling Interval: Determines how frequently in seconds the SD5 Web should check the health status of monitored items. The minimum value is 3 seconds.
- Log: Keeps alerts in a log file named "log.txt[yyyy-mm-dd-sequence]" located in the [install folder] folder. The file is
 split into two files once its size becomes greater than 10 MB. The total number of log files to be kept can be
 configured by setting the "backup files to keep around" argument.
- E-mail Alert: Sends alerts via e-mail. To use this function, you need to set recipients, an e-mail server address and a port number as well as a sender's e-mail address. Check SSL or TLS if the e-mail server uses secure connections. If the e-mail server requires authentication, you will need to set up an account and password to log in to the e-mail server. Multiple recipients must be separated by a comma.
- SNMP Trap: Sends alerts with SNMP traps. Multiple recipients are separated by a comma.
- System Tray Popup Alert: Sends alerts to local desktop. Note that the function is only available on Windows platform.

Alert Configuration Monitored Item	Enable polling
Account Setting >	Polling Interval* 3 Seconds. (Minimal value is 3)
FIRST DIUS	Log (Log monitored item readings.) Max Backup Index* 5 backup files to keep around.
	E-Mail Alert (In order to send E-Mail alerts to the administrator, the system must be connected to a LAN.) Recipients* (Multiple values are separated by a con SMTP E-Mail server* Port* Z5 Sender E-Mail Box* Connection Security* None SSL StartTLS My E-Mail Server requires authentication Sender Account Name* Sender Password*
	SNMP Trap (SNMP trap notification.) SNMP Trap Receivers* (Format: IPv4:port or [IPv6];port and multiple values are separated by a comma

The E-mail message Configuration

The E-mail message format is defined by the following attributes: Mail title: Item 1: the type of an alert ("Problem ", "Recovery ") Item 2: the name of the monitored item Item 3: the status of the monitored item ("OK", "Warning", "Critical", or "Unknown") Item 4: the time of an alert in date time format Item 5: the host name and host address which sent out an alert Mail body: Item 6: the output message about the status of the monitored item

23 - RS9 User Guide





The SNMP Trap description

The SNMP Trap description if defined by the following attributes:

Item 1: the type of an alert ("Problem", "Recovery")

Item 2: the name of the monitored item

Item 3: the status of the monitored item ("OK", "Warning", "Critical", or "Unknown")

Item 4: the time of an alert in date time format

Item 5: the output message about the status of the monitored item

Configuring the SNMP Service

- Open the Control Panel. Click Administrative Tools. Click Services. Select the SNMP Service.
- Double-click the SNMP Service, and the SNMP Service Properties dialog box appears.
- Click the Security tab. In the Accepted community names setting, click the Add... button to add a public community with READ ONLY rights. Select Accept SNMP packets from any host.
- Click the OK button to complete the settings.

×		
Stat	tai Startup Type Manual Manual Manual (Ting- Manual (Ting- Manual (Ting- Manual (Ting- Manual (Ting- Manual (Ting- Manual (Ting- Manual (Ting- Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual Manual	Log 1 Loc Loc Loc Loc Loc Loc Loc Loc Loc Loc
	Deel Stat	Dèci Status Startup Type Manual Manual Running Autematic Menual (Trig- Menual (Trig- Menual (Trig- Menual (Trig- Bunning Autematic Menual (Trig- Bunning Autematic Menual Running Autematic Menual Running Autematic Menual Menual Menual Menual Menual Menual Menual Menual Menual

• Just click OK and then restart SNMP Service.

Verifying the SNMP Service

• You can use sc query snmp to check the SNMP service in console mode.

Cav.	Administrator: Command Prompt	×
C:\Users\Administrator>sc	query snmp	^
SERVICE_NAME: snmp TYPE SIATE WIN32_EXIT_CODE SERVICE_EXIT_CODE CHECKPOINT WAIT_HINT	: 10 WIN32_OWN_PROCESS : 4 RUNNING (STOPPABLE, NOT_PAUSABLE, IGNORES_SHUTDOWN) : 0 <0x0) : 0 <0 : 0 <0 : 0x0	
C:\Users\Administrator>_		~





Report

It Provides three CSV (Comma Separated Values) format reports. These reports can be downloaded and viewed with CSV supported tools like Microsoft Excel.

- System Information Report: This report contains information shown in the System Info function.
- Health Information Log Report: This report includes the historical data of monitored item readings. Readings of selected (i.e. enabled) monitored items will be written to a file only if the Polling Interval value is set and the Log option is enabled in the Alert Configuration function.
- Event Log Report: This report contains events that represent problems and recoveries with monitored items. When the status of a monitored item is changed, an event log is written to the Event Log Report. Note that to write events to the log file, the Polling Interval on the Configuration page must be set.

IPMI LAN Management

A Dedicated IPMI LAN Port is located on the back panel of the RS9 Server, that accepts RJ45 Cable.

It allows a system administrator to monitor system health and manage computer events remotely.



Configuring BIOS

For the IPMI to work properly, please enable all onboard USB ports and the COM port designated for SOL (IPMI) on the motherboard. All USB ports and the COM port for IPMI (marked with "*") are enabled in the system UEFI BIOS by default. It is usually listed as COM2 or COM3 in the UEFI BIOS.

The default network setting is "Failover", which will allow the IPMI to connect to the network through a shared LAN port (onboard LAN Port 1 or 0) or through the IPMI Dedicated LAN Port. If the IPMI must be connected through a specific port, please change the LAN configuration setting under the Network Settings.

To verify and Configure follow the below steps

- 1. During the system bootup, press the Key to Enter the UEFI BIOS
- 2. During the system bootup, press the key to enter the UEFI BIOS.
- 3. Select the IPMI tab.
- 4. Select BMC Network Configuration and press <Enter>.
- 5. Highlight Update IPMI LAN Configuration, press < Enter> and select [Yes].





titistiititititititi Configure IPV4 support Katakiitititi		BIOS will set below setting to IPMI in next BOOT
IPMI LAN Selection IPMI Network Link Status Current Configuration Address sour Station IP address Subnet mask Station MAC address Gateway IP address VLAN	Failover Dedicated LAN DHCP 172.91.39.291 255.255.0.0 ate IFMI LAN Configura	at ion
Update IPMI LAN Configuration		Enter: Select Fire General Help Fire General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit

6. Highlight Configuration Address Source and select [Static].

		Select to configure LAN
*******		channel parameters statically
Configure IPV4 support		or dynamically(by BIOS or
*********		not modify any BMC network
IPMI LAN Selection	Failover	parameters during BIOS phase
IPMI Network Link Status	Dedicated LAN	
Current Configuration Address	sour DHCP	
Station IP address	172.31.33.231	
Subnet mesk	255.255.0.0	
Subnet mask Station MAC address	255,255,0.0 — Configuration Address s	ource
Subnet mask Station MAC address Gateway IP address	255.255.0.0 — Configuration Address s tatic HCP	ource
Subnet mask Station MAC address Gateway IP address VLAN	255,255,0,0 — Configuration Address s tatic HCP	select Screen
Supret mask Station MAC address Gateway IP address VLAN Update IPMI LAN Configuration	255,255,0,0 — Configuration Address s tatic HCP	Select Screen
Supnet mask Station MAC address Gateway IP address VLAN Update IPMI LAN Configuration IPMI LAN Selection	255,255,0,0 — Configuration Address s tatic HCP [Failover]	Select Screen Select Item Enter: Select
Supnet mask Station MAC address Gateway IP address VLAN Update IPMI LAN Configuration IPMI LAN Selection VLAN	255,255,0,0 — Configuration Address s tatic HCP [Failover] [Disabled]	Select Screen Select Item Enter: Select +/-: Change Opt.
Subnet mask Station MAD address Gateway IP address VLAN Update IPMI LAN Configuration IPMI LAN Selection VLAN Configuration Address source	255,255,0,0 — Configuration Address s tatic HOP [Failover] [Oisabled] [OHCP]	Select Screen Select Item Enter: Select +/-: Change Dot. F1: General Help
Subnet mask Station MAC address Gateway IP address VLAN Update IPMI LAN Configuration IPMI LAN Selection VLAN Configuration Address source	255,255,0,0 — Configuration Address s tatic HCP [Fallover] [Disabled] [OHCP]	Select Screen Select Item Enter: Select +/-: Change Obt. F1: General Help F2: Previous Values
Subnet mask Station MAC address Gateway IP address VLAN Update IPNI LAN Configuration IPNI LAN Selection VLAN Configuration Address source	255,255,0,0 — Configuration Address s tatic HCP [Failover] [Oisabled] [OHCP]	Select Screen Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults
Subnet mask Station MAC address Gateway IP address VLAN Update IPHI LAN Configuration IPHI LAN Selection VLAN Configuration Address source	255,255,0,0 — Configuration Address s tatic HCP [Failover] [Disabled] [OHCP]	Select Screen Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F5: Dptimized Defaults F4: Save & Exit

7. Once the Configuration Address Source is set to [Static], the Station IP Address, Subnet Mask and Gateway IP Address fields will display 0.0.0, which indicates that these fields are ready for you to change to new values. Select each of the three items and enter the values. Press <Enter> when finished.

текккикинотеккки Configure IPV4 support жекккикикотексекк		Select to configure LAN channel parameters staticall or dynamically(by BIOS or BMC). Unspecified option will not modify any BMC network		
IPRI LAN Selection IPRI Network Link Status Current Configuration Address sour Station IP address Subnet mask Station MAC address Gateway IP address V AN	Failover Dedicated LAN DHCP 172.31.33.231 255.255.0.0 0c-c4-7a-d5-b7-c1 172.31.0.1 Disabled	parameters during BIOS phase		
Update IPMI LAN Configuration IPMI LAN Selection VLAN Configuration Address source Station IP address Subnet mask Gateway IP address	[Yes] [Failoven] [Disabled] [Static] 0.0.0.0 0.0.0.0 0.0.0.0	++: Select Screen 11: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Ontimized Defaults F4: Save & Exit		

26 - RS9 User Guide





Aptio Setup Utility -	- Copyright (C) 2016 A
BMC Ne	etwork Configuration
BMC Network Configuration	
IPMI LAN Selection	Failover
Current Configuration Address sour	DHCP
Station IP address	0.0.0.0
Subnet mask	0.0.0.0
Station MAC address	ac-1f-6b-89-78-4c
Router IP address	0.0.0.0
VLAN	Disabled
Update IPMI LAN Configuration	[Yes]
IPMI LAN Selection	[Failover]
VLAN	[Disabled]
Configuration Address source	[Static]
Station IP address	192.168.5.51
Subnet mask	255.255.255.0
Router IP address	0.0.0.0

Accessing the Server Using the Browser

1. open a web browser. Enter the IP in URL bar and you will see a login screen.

Enter the username, ADMIN, and the password, ADMIN.



• Main screen displays The Menu bar: The menu bar on the top displays the System Information, Server Health Configuration, Hardware Information, Remote Control, Virtual Media, Maintenance, Miscellaneous, Help.

					Host Ident Serv Use	fication er: 192.168.005.051 r: ADMIN ()	Administrator)]	
system Server	Health	Configuration	Remote Control	Virtual Media	Maintenance	Miscellaneous	Help		
 System FRU Reading Hardware information 	Syst Firmware BIOS Park Redition W CPLD Ver	Alers Date and Time LDAP Date and Time LDAP Mathematical Adher Directory RADUS Mathematical Network Sal Time Daysmon CMS Sal Time Phaceas correct Phane Sal Carfindation Date Phane Sal Carfindation Date Sal Carfindation Dat	IP Address: T BMC MAC As System LAN' System LAN' Syste	192 168 005 051 driess: ac:1168 0974 ac:1168 MAC address: ac:1168 MAC address: ac:1169 MAC address: ac:116	2 22 c5 04 22 c5 05 22 c5 05 22 c5 07				

Alert Configuration

This feature allows the user to configure Alert settings. When you click on Alerts in the menu bar.

To setup an alert or to modify an alert setting, do the following.

- 1. Click on <Alerts> to activate the alert submenu.
- 2. Click on <Modify> to configure or modify the settings of an alert.
- 3. Send Test Alert is used to check if the alerts have been set and sent out correctly.
- 4. Click on <Delete> to delete an alert.
- 5. Click on the <Help> tab to display the Help menu. This menu shows you how to set up or modify an alert.





Configuration	Modify Alert				
Alerts	Enter the infe	rmation for the alort below and proce Save			
Date and Time	Litter the mo	Enter the mornation of the alert below and press save.			
)	Disable All			
	Destination IP:	000.000.000.000			
(4)	Email Address:	NULL			
ADIUS	Subject:	NULL			
S Mouse Mode 6	Message:	NULL			
S Network	Save Cancel	1			
Dynamic DNS					
C CMTD	-				

Follow the steps below to setup an alert.

- 1. Select *Alerts* from the window on the left. Highlight the alert and select *Modify*.
- 2. Select Event Severity.
- 3. Enter the destination IP address to use SNMP.
- 4. Enter the email address you wish the send the alert to, then configure the SMTP settings
- 5. Enter the subject line of the alert.
- 6. Enter a message for the alert.

After completing the steps above, Click on <Save> to save the settings

SNMP Configuration

ystem	Server Health	Configuration	Remote Control	Virtual Media	Maintenance	Miscellaneous	Help
Configuration	🔿 S	NMP					
Alerts		Ober the barried					
Date and Time		the Save button to s	v to set the SNMP setting and ent ave your changes.	er the required informatio	n to enable SNMP. Please p	ress	
DLDAP							
Active Directory	(Enable SNMP					
RADIUS	SI	NMPV2					
🔿 Mouse Mode		ROCommunity: pu	blic				
Network		RWCommunity: pr	ivate				
Dynamic DNS	si	NMPV3					
SMTP		Enable					
I SSL Certificatio	n Ai	uth Protocol:	MD5 O SHA1				
Users	Pi	rivate Protocol:	DES O AES				
Port		Private Key:					
IP Access Cont	rol						
SNMP	s	ave					
🔵 Fan Mode							
Web Session							
Syslog							

- 1. Check the box to enable the SNMP. Once it is enabled, enter information in the fields below.
- 2. SNMP Version: Select SNMPV2 or SNMPV3.
- 3. SNMPV2: If this options is selected, enter a password for ROCommunity and RWCommunity.

4. SNMPV3: If this option is selected, enter information in the fields below: Enter a username

- Select the Authentication Protocol
- Select the Private Protocol
- Enter the Authentication Key
- Enter the Private key
 - 5. Click <Save> to save the settings.

6. Click the <Help> tab to display the Help menu. The menu includes an explanation of all the options on this page.

28 - RS9 User Guide





Point of Contact

For further assistance, contact technical support

Please be prepared to provide the following information: Serial Number (S/N), product name, model number, and a brief description of the issue.

Technical Support Support@fibrenetix.com

EUROPE & AMERICAS

Fibrenetix Langebjerg 23B 4000 Roskilde DENMARK P. + 45 70 22 10 16 sales@fibrenetix.com support@fibrenetix.com

MIDDLE EAST

Fibrenetix Middle East www.fibrenetix.com sales@fibrenetix.com