PortView

User Manual

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Chapter 1. Overview

PortView is a Windows application supporting real-time monitoring and configuration from the remote site. It can be applied to device server products distributed by SystemBase Co., Ltd.

1.1 Features

PortView supports following features from the remote site.

- Detector
- Real-time data monitoring
- Real-time device status check
- Group setup and management
- Direct Web, Telnet connections

1.2 Software

As a Windows application, run the following installer file to install the application.

PortView_setup.exe

1.3 Environment

More port installation requires more CPU power and higher memory.

- CPU : Pentium 1Ghz or better
- Memory : 512Mb or higher
- 0/S
- : Windows 2000/XP/2003/Vista
- CD-ROM
 Network
 - : 4X or faster : 10M Ethernet or faster

1.4 Hardware Support

- Portbase 3010+/ 3020+/ 3040/ 3080/ 3160/ 3161
- Eddy Modules



Chapter 2. Installation

2.1 How to Install

- Insert the Portbase installation CD into the CD-ROM drive.
- Setup screen automatically opens.
- Select English from the language selection menu and select PortView.
- PortView installer starts. Click 'Next' to continue.
- Select destination directory and click 'Next' to continue.

🔂 Setup - PortView	_ 🗆 🗙	👘 Setup - PortView	_ 🗆 🗙
	Welcome to the PortView Setup Wizard	Select Destination Location Where should PortView be installed?	
	This will install PortView v2.0 on your computer. It is recommended that you close all other applications before continuing. Click Next to continue, or Cancel to exit Setup.	Setup will install PortView into the following folder. To continue, click Next. If you would like to select a different folder, o	lick Browse.
	Next> Cancel	At least 6.4 MB of free disk space is required.	t> Cancel

- Check the box to create a desktop icon of PortView, and click 'Next'.
- Confirm all installation details and click 'Install' to begin installation.

🖞 Setup - PortView	😰 Setup - PortView	
Select Additional Tasks Which additional tasks should be performed?	Ready to Install Setup is now ready to begin installing PortView on your computer.	
Select the additional tasks you would like Setup to perform while installing PortView, then click Next.	Click Install to continue with the installation, or click Back if you want to review or change any settings. Destination location: C:WProgram FilesWPortView Additional tasks: Create a desktop icon	
< <u>Back</u> Next> Cancel	< <u>B</u> ack Install	Cancel



- Installation progress is displayed on the bar.
- When the setup is complete, check the box to run PortView right away. Click 'Finish' to complete the installation.



- When you checked 'Run PortView.exe', PortView will automatically open and the password prompt will be shown.
- Since there is no initial password predefined, just click OK to access the main PortView screen.

😚 Password	$\Theta \oplus \otimes$
Password	
Ok Close	

AP PortView v2.0	$\Theta \oplus \otimes$
Detector Contig Cascade Tile Close All Help	About
e ♥ dudeme E ♥ undefine └ ● PB3161<0005F3F1	
IP:192, 168,8,104 Port-4000 Tree Update Start,	

2.2 Running

- Select Start -> All Programs->SystemBase->PortView->PortView to run the program.
- If you have a desktop icon, double-click on the icon to launch the program.



Chapter 3. PortView and Detector

3.1 Detector

Detector is a component in Portview, detecting all device servers on the local network and enabling IP, subnet mask, and gateway configuration for these devices. Configuration settings are only temporary, though; for permanent changes, you need to connect to the devices using Telnet or Web. In addition, with PortView, remote device servers can be managed from one location as well.

3.2 PortView

PortView supports efficient features required in managing device servers. They include detecting device servers from the network, real-time data monitoring, real-time device status check, group/sub-group setup and rename support for each device, and direct Web and Telnet connection support.

3.3 PortView/Detector Area

The diagram on the next page shows applicable areas for Detector and Portview. It shows range of detection and remote monitoring.

3.3.1 Detector Area

Detector can detect device servers located in the local network; device servers across routers cannot be detected. (Green-dotted area from the image on the next page)

3.3.2 PortView Area

PortView can manage remote device servers connected via router; device servers not on the same local network can also be managed. (Blue-dotted area from the image on the next page)





3.4 User Interface

There are three windows in the main screen interface.

PortView v2 A			
Detector Config Cascade	Tile Close All Help About	Main Window	⊕⊕¢
	Db_group1/pb_sub1 Statistic Configuration Web Telnet Reboot Name IP Address MAC Address Starting Time Eddy<0005F41) Model Vi EDDY_S1_POE 2	ersion 2.00
Group Window		Model V	ersion
۲ ۲ ۲	- 1500070000	Device Wind	low



3.4.1 Main Window Features

This window contains PortView management menu, displayed in red. More about this menu is described in Chapter 4.

- Detector: Detect device servers on the local network.
- Config: Configure Alarm, Log, Service Socket, and Password settings.
- Cascade: Display Device Windows in Cascade style.
- Tile: Display Device Windows in Tile style.
- Close All: All Device Windows are closed.
- Help: PortView manual folder is open.
- About: Program version is displayed..

3.4.2 Group Window Features

This window contains group, sub-group, device servers, and undefined devices, displayed in blue. More about this menu is described in Chapter 5.

- Group: It is a top-level category of devices. Users can freely create or remove groups.
 - Ex) "pb_g1": A group is renamed as an example.

"undefined": It is a default group. All device servers belong to this group before specific group is ianed.

- assigned.
- Sub-group: It can only be created within a specific group, and includes actual device list.
- Device: It is shown under the sub-group. All devices can be found under the "undefined" subgroup at first, and can be moved to another with drag-and-drop with the mouse.

3.4.3 Device Window Features

This window shows device list for each sub-group. Two groups are presented in the example above. There is no naming constraint except the name "Undefined". Devices can be easily moved to other subgroups with drag-and-drop.

• "undefined/undefined": default group name that all devices detected belong to Group name: undefined

Sub Group name: undefined

Device name: PB3080

"Pb_group1/pb_sub1": named as an example

Group name: Pb_group1

Sub Group name: Pb_sub1

Device name: Eddy

• More about this menu is described in Chapter 6.



Chapter 4. Main Menu

This window contains PortView management menu.

4.1 Detector

Detector looks for all devices manageable by PortView from the current Local Area Network (LAN).

PortView v2.	0				⊕ ⊕ ⊗	
Detector	Config C	ascade Tile	Close All	Help	About 🕞 🕀 🛞	
Eddy<00 undefine	Detector					۲
IP:192,168,0,62	Search) (IP Configure) (To	elnet) (We	eb IP : 192.1	68.0.62	
	Eddy Eddy Eddy Eddy	e Mao Address 00:05:F4:7A:10:15 00:05:F4:00:20:57 00:05:F4:01:11:11	 IP Address 192, 168, 0, 240 192, 168, 0, 247 192, 168, 0, 99 	 Subnet Mask 255, 255, 255, 0 255, 255, 255, 0 255, 255, 255, 0 	Geteway 192,168,0,254 192,168,0,254 192,168,0,254	

4.1.1 Detector Menu

The example above shows three Eddy modules detected.

Note

Eddy is an embedded device server module from SystemBase Co., Ltd. All features are identical to those of Portbase.

- Search: look for devices in the local area.
- IP Configure: Set temporary IP address to the selected device.
- Telnet: Make a Telnet connection to the selected device.
- Web: Make a Web connection to the selected device.

4.1.2 Search Button

Find all device servers from the current Local Area Network (LAN).



4.1.3 IP Configure

A temporary IP can be assigned here. As stated before, permanent changes need to be made through either Telnet or Web. It is required that device servers be set to the same IP address range with that of PC, and the IP address of the PC is displayed on the Detector's upper part. If servers belong to different network with the PC, use this menu to configure IP addresses to match PC configuration.

Detector					×
Search ((IP Configure) (Te	elnet) (We	eb IP : 192.	168.0.62	
Device Name	Mac Address	IP Address	Subnet Mask	Gateway	
Eddy Eddy Eddy	00:05:F4:7A:10:15 00:05:F4:00:20:57 00:05:F4:11:11:11	192.168.0.240 192.168.0.247 192.168.0.99	255, 255, 255, 0 255, 255, 255, 0 255, 255, 255, 0	192.168.0.254 192.168.0.254 192.168.0.254	
IP Configure					
		IP A	ddress 1	32.168.0.99	
		Sub	net Mask 2	55. 255. 255. 0	
		Gate	way 1	92.168.0.254	
			ОК	Cancel	

4.1.4 Telnet Connection

Telnet connection is attempted with the selected IP address.

Detector					۲
Search (IP Configure	elnet W	eb IP : 192.1	68.0.62	
Device Name	Mac Address	P Address	Subnet Mask	Gateway	
Eddy	00:05:F4:7A:10:15	192.168.0.240	255, 255, 255, 0	192.168.0.254	
Eddy Eddy	00:05:F4:00:20:57 00:05:F4:11:11:11	192.168.0.247 192.168.0.99	255, 255, 255, 0 255, 255, 255, 0	192.168.0.254 192.168.0.254	

4.1.5 Web Connection

Web browser opens and connects to the selected IP address.

Detector	8
▲ Eddy Web Manager - Microsoft Internet Explorer ▲ ● 파일() 파질(E) 보기(V) 을 지찾기(a) 도구(T) 도움알(H) ▲ ● Size + ② - ▲ ▲ ▲ ▲ ★ 을 지찾기 ● ▲ ● http://192.168.0.99/cgi-bin/getagent.cgl?type=s ●	Web IP: 192.168.0.62 3df #85 ************************************
Device Name Eddy Firmware Version 2.00 Username Password Login Cancel	



4.1.6 Device Server Setup for PortView

- After connecting to the device server via Web, enter "portbase" as username and "99999999" as password. Then click 'Login' button.
 - Eddy's default username is "eddy" and the password is "99999999".



• Navigate to Network Settings -> Management, and select "Enable" from the NMS enable option. Click "Submit" after setting IP address and port number.

lenu		
	Overview	
<u>Summary</u>	Device Name	Eddy
Network Settings	Device Type	Eddy-CPU
GPIO Settings	Boot_Loader Version	2.0a
OFIO Seturgs	Lemonix Kernel Version	2.0a
hange Password	Firmware Version	2.0a
Jpdate Firmware	MAC Address	00:05:f4:7a:11:14
Factory Default	System Alive	(0 Days) 03:08:27
Save & Reboot		
	Network Configuration	
Copyright 2007	Line Type	Static IP
nBase Co., Ltd.	IP Address	192.168.0.240
nguis reserved.	Subnet Mask	255.255.255.0
	Gateway	192.168.0.254
	Support Information	
	Website	http://www.sysbas.com

PortView IP/Port: Enter the IP address of the PC with PortView installed, and click 'Submit'.
Click 'Save & Reboot' to save changes and reset to apply changes.

Setup Menu			
Summary	General Configuration		
Network Settings	Device Name	Eddy	Help
Serial Settings	Line Type	DHCP Melp	
Change Password	IP Address	192.168.0.99 Help	
Update Firmware	Subnet Mask	255.255.255.0 Help	
Factory Default	Gateway	192.168.0.254 Help	
	DNS	168.126.63.1 Help	
Copyright 2007 SystemBase Co., Ltd All rights reserved	Network Sevice Configuration	192 168 0 62 / 4000	Hole
	Sinter Agent		
	Telnet Service	Enable V Help	
	FTP Service	Enable 🖌 Help	
	WEB Service	Enable 🖌 Help	
	LemonIDE Target Agent	Disable 🖌 Help	



4.2 Config

Various configurations for PortView application can be made from this menu. Default setting should satisfy most users.

PortView v2.0		$\Theta \oplus \otimes$
Detector Config Ca Eddy<0005F411111> undefine IP:192, 168, 0, 62 Port:4000 Tre	Config Alarm Device Connect Error: Device Connect Successfully Port Reset Port Reset Port Connect Successfully Sound ding.wav Cog Device Port Service Socket No [4000 Change password Origin Password New Password Save Close	

4.2.1 Config Menu

- Alarm: Choose when to invoke an alarm event. Sound can be registered as well.
- Log: This option sets what kind of event is logged.
- Alive Check time: This option defines an interval for checking whether if the device is alive.
- Service Socket No: Set the socket number for the service.
- Change Password: Password is required when running PortView. Set the password.
- There is no default password assigned.

4.3 Window Alignment (Cascade/Tile)

This option is used to align Device Windows.

4.3.1 Cascade Style

Display Device Windows in Cascade style.

PortView v2.0									⊕ ⊕
Detector Config Cascade		Close	All Help	About					$\odot \odot$
pb_group1 pb_sub1 bb_sub1 bb_sub1 bb_sub1 bb_sub1 pb_sub1 pb_sub1		fine/undefin atistics und pb_group Statisti Clear All Pot 01	ne define/undefine I/pb_sub1 cs_pb_group1/r ClearPort Name COM_Red	/PB3080<0 bb_sub1/Ec Scope TxBytes 0	005F40065BD Idy<0005F411 Reset Bx Bytes 0	Party 0.	1. 242) 168, 0, 99) Framming Error 0	Overrun Error O	Reset Count
▲ (************************************	late Start,								



4.3.2 Tile Style

Display Device Windows in Cascade style.

PortView v2.0																	Ð (8
Detector Config Cascad			Close		Help		bout										Ð (8
<pre>pb_group1 pb_sub1 e</pre>	Stati	stics p	<mark>b_gro</mark> Clear P	up1/pb ort	sub1/ Scope	Eddy (0 📮		😚 Stat	istics (r All	indefir Clear P	ne/unde ort	efine/Pl Scope	33080< Re	:0 📘		×
	Port 01	Name CO	Tx 0	Вх О	Parity 0	Fra O	Ove O	Res O	Port 01 02 03 04 (Name TC TC TC TC	Тх 0 0 0	8x 0 0 0	Parity 0 0 0	Fra 0 0 0	0ve 0 0 0	Re 0 0 0	< · · · · · · · · · · · · · · · · · · ·
	Statis	tic C IP Av	/pb_si Configural ddr 68 (ub1 tion MAC A 0005F41	Web Starting 2007-10) (M EDC	elnet odel IY	Reboo Version 2.00	Stati Name PB30	efine/u stic IP / 8 192	n diefin Configura ddr 1 169 1	ie tion MAC A 1005F40	Web Starting 2007-10-	Те Ма РВ-	Inet odel 3160	F Versi 1.1c	eb on
	late Start,														_		17

4.4 CloseAll

Close All: All Device Windows are closed.

Detector Config Cascad		ile n (Close		Help		bout									$\odot \oplus \otimes$
pb_group1 = pb_sub1	😵 Sta	tistics p	b_gro	up1/pb	_subl	/Eddy<	0 🔳		😚 Stat	tistics u	Indefir	ne/unde	afine/P	B3080	<0 🛓	
Eddy<0005F4111111> w undefine	Clea	r All	Clear Po	ort S	Scope) [B	eset		Clea	ir All	Clear P	ort [Scope	Re	eset	
E ♥ undefine ● PB3080<0005F400658D>	Port D1	Name CO	Tx 0	Rx 0	Parity 0	Fra O	Ove O	Res O	Port 01 02 03 04	Name TC TC TC TC	Tx 0 0 0	Bx 0 0	Parity 0 0 0	Fra 0 0	0ve 0 0	Res. ^
• • • • • • • • • • • • • • • • • • •	Name Eddy	istic (IPA K 192	ddr 168.		2	6	All	devid	ce/st	atisti	cs v	vindo	ows Q (N	clos	e?	

• Confirmation window is displayed when selecting this option.

4.5 Help/About

Help:

PortView manual folder is open.

• About: Program version is displayed..

PortView v2.0		$\Theta \oplus \otimes$
Detector Config Cascade T	ile Close All Help	About
Eddy<0005F4111111>	About PortView	8
IP:192,168,0,62 Port:4000 Tree Update Start,	PortView Copy Syste	on 2.0 right © 2007 emBase Corporation



Chapter 5. Group Window

Group window supports group and sub-group addition and removal, device assignment, and rename features.

5.1 Definitions

5.1.1 Group?

There are undefined (unnamed) and defined (named) groups. Undefined group is the default device management group.

A PortView v2.0		$\Theta \oplus \otimes$
Detector Config Cascade	Tile Close All	Help About
PB_Test_Group1 PB_Test_Sub1 PB3080x0005F400658D> wundefine Contentine Contentine Contentine Contentine Contentine		
- (((((((((((((((((((
IP:192,168,0,62 Port:4000 Tree Update Star	rt,	

- Undefined: This group has a sub-group also named 'Undefined'.
- Defined: These are named groups created by 'Add Group' menu. They can have named subgroups.

5.1.2 Sub-Group / Device List?

• Sub-group: Sub-groups belong to groups. They are the smallest unit of groups that contain individual devices.

PortView v2.0			$\Theta \oplus \otimes$
Detector Config Cascade	Tile Close All	Help	About
PB_Test_Stbup1 PB_Test_Sub1 PB606848005F4006556 P00005F4111111> E88940005F4111111>			
◄(IP:192, 168, 0, 62 Port:4000 Tree Update Sta	rt,		

• Device List: This refers to all devices within one sub-group. When you click the sub-group, you will see management screen on the right for the current sub-group.



5.2 Add / Delete Group

This section describes how groups can be added, removed, and assigned devices.

5.2.1 Initial Screen

In the example below, there are two devices both in the Undefined sub-group. This sub-group belongs to 'undefined' group.

- Group: Undefined
- SubGroup: Undefined
- Device List: PB3080, Eddy

PortView v2.0			$\odot \oplus \otimes$
Detector Config Cascade	Tile Close All	Help	About
undefine PB3080<0005F40065BD> Eddy<0005F4111111>			
IP:192.168.0.62 Port:4000 Tree Update St	art		

5.2.2 Add Group

• Click 'Add Group' to create groups.



• Enter the group name and click OK.

PortView v2.0	$\Theta \oplus \otimes$	
Detector Config Cascade	Tile Close All Help About	
 ■ undefine ■ undefine ■ PB3080<0005F40065BD> 	Add group	۲
	Please enter the group name :	
	PB_Test_Group1	
IP:192, 168, 0, 62 Port:4000 Tree Upd	OK Cancel	



• Now select 'Add Sub-Group' to add a sub-group in the group just created.



• Enter the sub-group name and click OK.



• Group is created. Now select the device and drag-and-drop to the destination sub-group.

A PortView v2.0			$\Theta \oplus \otimes$
Detector Config Cascade PB_Test_Group1 Undefine Leddy<000554111111> Undefine PB3080<00055400550> Eddy<00055411111>	Tile Close A	li) Help)	About
IP:192, 168, 0, 62 Port:4000 Tree Update Sto	ped, <15>sec,		//

• Now the device is moved to the sub-group.





• Select 'Rename' to change the name.

PortView v2.0				$\Theta \oplus \otimes$
Detector Co	onfig Cascade	Tile Close All	Help	About
PB_Test_Grou	up1 Sub1			
	Show Device List			
andefine	Add Group			
PB308	Add Sub Group			
-	Delete device			
IP:192,168,0,62 F	Delete devices	ed, <5>sec,		
	Delete Group			
	Delete Sub Group			
1	Rename			
	Tree update start			

• Assign a new name. Please note that this name only applies to PortView.

PortView v2.0	⊖,⊛ ⊗
Detector Contig Cascade Tile	Close All Help About
PB_Test_Group1 PB_Test_Sub1 Cddy<0005F4111111> undefine PB3080<0005F40065BD>	Rename & Please enter the rename string : Seouk0005F411111>
IP:192,168,0,62 Port:4000 Tree Update Start,	OK Cancel

• You can see that "Eddy" is renamed to "Seoul".

PortView v2.0	$\odot \oplus \otimes$
Detector Config Cascade Tile Close All	Help About
PB_Test_Group1 PB_Test_Sub1 Seoul<0005F4111111> undefine PB3080<0005F40065BD>	
IP:192,168,0,62 Port:4000 Tree Update Start,	

• Now group and sub-group creation, device assignment rename should be easy.

5.2.3 Delete Group

• The whole group as well as each sub-group can be removed. Devices in deleted groups appear on the "Undefined" group after a short while.





Chapter 6. Device Window

Device window shows device list, and is located on the right side of PortView user interface. The following example shows this window in red part. This window mainly handles device information check, status check, and data I/O scope; it is responsible for device monitoring, the main feature of PortView.

PortView v2.0						$\odot \oplus \circ$
Detector Config Cascade		Close All	Help Abo	ut		⊕⊕(
PB_Test_Group1 PB_Test_Sub1 Seoul<0005F4111111>	PB_Test_Gro	up1/P8_Tes	_Sub1			Ĺ
a 🐲 undefine 🖻 🐲 undefine	Statistic Cor	nfiguration W	/eb Telnel	t Reboot		
	Name Seoul<0005F4	IP Address 192.168.0.99	MAC Address 0005F4111111	Starting Time 2007-10-10 21:4	Model EDDY_S1_POE	Vera 2.0

- Sub-group window: This windows is named as "PB_Test_Group/PB_Test_Sub1" from the example above. The name includes the name of the group and sub-group. It shows all devices in that sub-group.
- Statistics window: The window is named as "Statistics Group name/Sub-Group name/Device name". Port monitoring for each device as well as Tx/Rx and Scope features are supported. Details are covered in coming sections.

PortView v2.0									⊕ ⊕
Detector Config Cascade	Tile	Close	AID Hel	Abo	out				⊕ ⊕
PB_Test_Group1 PB_Test_Sub1 Soul(0005F41111) undefine undefine PB3080<0005F40065BD>	PB_Tes Statistic Name Seouk000	t_Group1/ Configuration IP 5F4 192.	PB_Test_S on Web Address 168.0.99 1 s PB_Test.	ub 1 Telm MAC Address 3005F4111111 .Group 1/P	et Rebo Starting Tir 2007-10-10 2 B. Test_Sub	iot M me M 114 EDDY 1 1/Secul <c< th=""><th>fodel _S1_POE 1005F41111</th><th>Version 2.00</th><th></th></c<>	fodel _S1_POE 1005F41111	Version 2.00	
		Pot	Name	Tx Bytes	Rx Bytes	Parity	Framming	Overrun E	Reset Count
< (####################################									



6.1 Sub-Group Window

Sub-group window manages devices assigned to each sub-group.

PortView v2.0						⊕ €
Detector Config Cascade		Close All	Help Abou	at		⊜ €
PB_Test_Group1 PB_Test_Sub1 Seoul<0005F4111111> undefine	PB_Test_Gro	nup1/PB_Tes	LSub1	Beboot		
PB3080<0005F40065BD>	Name Seoulk 0005F4	IP Address 192.168.0.99	MAC Address 0005F4111111	Starting Time 2007-10-10 21:4	Model EDDY_S1_POE	Version 2.00
(1						
:192,168,0,62 Port:4000 Tree Upd	ate Start,					

- Sub-group menu
 - Statistic: Show statistics for the current device.(6.2 describes this feature in details)
 - Configuration: Display configuration details for each device.
 - Web: Open web browser and web configuration interface of the device.
 - Telnet: Make a Telnet connection to the device.
 - Reboot: Reset the device.
- Status bar: No additional detail is necessary.

6.1.1 Configuration

This option displays configuration details for each device.

Defende		e/undenne											Θ
Refresh) Save)												
10.00 M													
Boot Loader	/ersion=10.c												
Cernel Vers	ion=1.0c												
irnware_Ve	rsion=1.1c												
ine=IP													
P=192.168.0	3.242												
ask=255.25	5.255.0												
ateway-192	.168.0.254												
NS=168.126	.63.1												
UNS=0.0.0.0 TD_0 0 0 0	J												
IP=0.0.0.0.0	2 1CO 0 C2/40	nn -											
onceret-15	2.100.0.02740	00											
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SH_Server= ootTime=58 rotocol CP_Server CP_Server	Socket_No 4001	Signal_Che Disable Disable	BaudRate 115200 115200	Data 8	Parity None None	Stop 1	Flow None None	Remote_IP 0.0.0.0/4000 0.0.0.0/4000	Segmentati Disable Disable	Keepaliv O	Interface RS232 RS232	Login Disable Disable	Login_Name - -
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SIL Server= oot Time=58 "CP_Server CP_Server CP_Server CP_Server CP_Server CP_Server CP_Server	Socket_No 4001 4001 4001 4001 4001 4002 4002	Signal_Che Disable Disable Disable Disable Disable Disable Disable	BaudRate 115200 115200 115200 115200 115200 115200	Data 8 8 8 8 8 8 8 8 8 8	Parity None None None None None None	Stop 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Flow None None None None None None	Remote_IP 0.0.0.0/4000 0.0.0.0/4000 0.0.0.4000 0.0.0.4000 0.0.0.4000 0.0.0.4000 0.0.0.4000	Segmentati Disable Disable Disable Disable Disable Disable Disable	Keepaliv 0 0 0 0 0 0	Interface RS232 RS232 RS232 RS232 RS232 RS232 RS232 RS232	Login Disable Disable Disable Disable Disable Disable Disable	Login_Name
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SII Server oot Tine=58 CP_Server CP_Server CP_Server CP_Server CP_Server CP_Server CP_Server CP_Server CP_Server	Socket_No 4001 4001 4001 4001 4001 4001 4001 4001 4003	Signal_Che Disable Disable Disable Disable Disable Disable Disable Disable	BaudRate 115200 115200 115200 115200 115200 115200 115200 115200	Data 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Parity None None None None None None None None	Stop 1 1 1 1 1 1 1 1 1 1 1	Flow None None None None None None None	Remote_IP 0.0.0.4000 0.0.0.44000 0.0.0.44000 0.0.0.44000 0.0.0.44000 0.0.0.44000 0.0.0.04000 0.0.0.04000	Segmentati Disable Disable Disable Disable Disable Disable Disable Disable	Keepaliv 0 0 0 0 0 0 0 0 0 0 0 0	Interface RS232 RS232 RS232 RS232 RS232 RS232 RS232 RS232 RS232 RS232	Login Disable Disable Disable Disable Disable Disable Disable Disable Disable	Login_Name - - - - - - - - - - - -

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- Red part shows device-specific information, while blue part is about ports in the device.
- Refresh: Refresh all information and update information.



• Save

Save As			() (S
Savejn: 🔯	Data	🗢 😗 💓	
🖲 readme			Î
, File <u>n</u> ame:		*	Save
Save as type:	*.txt	* 6	Cancel

- You can save current information in text file.
- Default location for saved files is "C:\Program Files\SystemBase\PortView\Data". You can open text files when needed.

6.1.2 Web/Telnet/Reset/Statistic

Refer to the previous coverage on Web/Telnet/Reset. Statistic is described in 6.2.

6.2 Using Statistics

Click Statistic button from the sub-group menu to start statistics feature. This supports monitoring and reset for each device.

- Statistic menu
 - Clear All: Clear all displayed data from the current screen. i.e) Rx/Tx Bytes
 - Clear Port: Each port can be cleared.
 - Scope: One scope window can be opened for each PortView application, and data I/O monitoring is supported independent to PortView. (6.3 explains this feature further)
 - Reset: Each port can be reset.

PortView v2.0									⊕ ⊕ 6
Detector Config Cascade		Tile	Close All	Help	About				$\odot \oplus \odot$
PB_Test_Group1 PB_Test_Sub1 undefine PB3080<0005F40065BD> Eddy<0005F411111>	Na	Indefine/un Statistic Co	define nliguration s undefine/	Web undefine/f	Telhet d dy<0005F	Reboot	(192.168.0.9	39)	
	•	Clear All Port	Clear Port Name COM_R	Tx Bytes 29184	Reset Rx Bytes 29184	Parity D	Framming O	Overrun E O	Reset Count D
 ▲ (▲ 1000) ► ■ (192,168,0,62) ► Port-4000 Tree Upd 	late St	art.				••••			

• Statistics information



- Port: Port numbers for the current device
- Name: Port name
- Tx/RxByte: Transfer/Receive Bytes
- Parity: Number of Parity Errors
- Framing Error: Number of frame Errors
- Overrun Error: Number of overrun Errors
- Reset Count: Reset count

6.3 Using Scope

Scope enables data I/O monitoring in both Hex and ASCII mode. Select the port and click 'Scope' to open the scope window.

PortView v2.0		⊕ ⊛ ⊗
Detector Contig Cascad	e) Tile Close All Help About	⊕ ⊕ ⊗
PB_Test_Group1 PB_Test_Sub1 PB_Test_Sub1 undefine PB\$080<0005F4006580> Eddy<0005F411111>	Undefine/Undefine/	Reset Count
🗑 Scope Eddy<0005F4	411111>/01	

6.3.1 Scope Menu

- Start/Stop: Start or stop scope action.
- Hex/ASCII: Select the data display type. Hex means hexadecimal format, while ASCII means ASCII code.
- Clear: Clear all output data displayed so far.
- Capture: Output data can be captured. Saving data is also possible.
- Screen: Background color and font can be changed.
- Open: Open any saved capture file.

6.3.2 Start/Stop

Once started, hex data is displayed in real-time. Note that Stop button is activated. Click the button to stop.





6.3.3 Hex/ASCII

• Red-dotted part is displayed in Hex, while yellow is in ASCII.

🔞 Sco	pe Eddy<0005F4111111>/01 ⊕ ⊛ ⊛
St	ar a da Hen a a Clear a a Garbre a a Gargen a da Garen a
Tx	7171 7171 7171 7171 7171 7171 22 22 22 22 22 22 😼 азазазазазазазазазазазазазазазазазазаз
Bx	7171 7171 7171 7171 7171 7171 7171 22 22 22 22 22 22 22 aa aa aa aa aa aa
Bx -	a aa a
Tx	
Bx	61 6161 6161 6161 6161
Bx	
Tx	
Bx	
Tx	
Bx	
Tx	
Bx	
Tv	

6.3.4 Capture start/Stop

• Output data can be saved in text file format once you start and stop capture.

Scope Eddy<0005F47B0117>/01				⊕ ⊕ ⊗
Stop Hex Cle	ar Capture Sc	reen Open		
Tx 0A6162636465666	Save As		() ®	68696A6B6C6D6E6I
Tx 767778797A4142430D0A616	Save in: 🍋 Data	• 0 •	•	0A6162636465
Rx	E readme	104		7475767778797A414
Rx 5666768696A6B6C6D6E6F7	0			6465666768696A6B6
Tx 666768696A6B6C				6A6B6C6D6E6F707
Tx 37475767778797A414243444				7A4142434445
Rx				164748494A4B4C4D
Rx 0019D1E399D70005F47B011				B3206472697665723
Tx Px 49274260020274578504CP				5100076504540116
Tx	File name:	*	Save	5105070504540111
Rx 5634EDCBA3113ED0081F68	Save as type: .txt	*	Cancel	BA47B997B0467BB
Rx 778797A41424344454647484	94A4B4C4D4E4F50510D0A6	162636465666768696A6B6	C6D6E6F70	U
Tx				T I

6.3.5 Screen

• Screen colors and font can be customized. New settings are applied after changing color and font, saving, and closing.





6.3.6 Open

• Open any saved capture file.

🗑 Scope Eddy<0005F47B0117>/01					⊕ ⊕ 0
Stop Hex Cle	ar) Ca	pture Scre	en Open		
Rx 8494A0D0A6162636465666	Open			0 8	B0D0A61626364656
Rx 666768696A6B6C6D6E6F70 Tx	Look jn: 🔀	Data	♥ 0 0	1	1666768696A6B6C61 464748494A4B4C4D
Rx B6C6D6E6F7071727374757 Tx 7172737475767778797A414	E readme				B6C6D6E6F707172
Tx Rx E6F70717273747576777879					B6C6D6E6F7071727
Tx Rx 6E6F7071727374757677787 Tx					396A6B6C6D6E6F70 164650D0A61626364
Rx 96A6B6C6D6E6F707172737			_		526364650D0A61626 5465666768696A6B0
Rx Ty DEACRECEDEE0D0AC16262	File name:	1	*	Upen	000000000000000000000000000000000000000
Rx	riles of type:	, txt	*	Lance	0000401020304030
1x 68696A6B6C6D6E6F707172 Rx	73000A61626	36465666768696A	6B6C6D6E6F707172737	4000A61626364	65666768696A6B6C6



Chapter 7. Uninstalling PortView

- On Windows, select Start -> All Programs -> SystemBase -> PortView -> Uninstall PortView.
- Click 'Yes' to proceed removal of PortView.



• Uninstall progress

PortView Uninstall	X
Uninstall Status Please wait while PortView is removed from your computer.	1
Uninstalling PortView	
[Cancel

• Message appearing after uninstall is complete.



