



Broadband Bonding™ Network Appliance

# Monitoring Portal User Guide

# Table of Contents

Login	3
Menu Selection	3
Single Pane View of All Devices	4
Remote GUI Access	6
Firmware Upgrade	6
WAN Interface Statistics	6
App Armor All Path Statistics	7
VoIP Analysis	7
Config Upload	7
Syslog	7
Alerts	8

The Monitoring Portal enables centralized control and monitoring over the complete topology of the Mushroom Networks solution.

## Login Page

To access your Monitoring Portal, you will be prompted with your Monitoring Portal credentials at the website link provided to you by Mushroom Networks.

The image shows the login page for the Mushroom Networks Monitoring Portal. It features the company logo in red, which consists of the word "mushroom" in a lowercase, rounded font, with "NETWORKS" in a smaller, uppercase, spaced-out font below it. Below the logo is a login form with three input fields: "Username", "Password", and "Sign in". The "Sign in" field is a button.

Once on the page, enter the username and password that is provided to you by Mushroom Networks. If you have not received one yet, please contact Mushroom Networks.

Once the correct credentials are entered you will be redirected to the HOME page.

DeviceID ↕	Hostname ↕	Model ↕	Firmware Version ↕	Client Name ↕	Management ↕	Status ↕
000e8e92e044	portabella2	Portabella 2000i	1.22	[REDACTED]	4071	UP
001234567890	Server	TruffleV	1.22	[REDACTED]	4072	UP
003018045bef	portabella1	Portabella 2000i	1.22	[REDACTED]	4070	UP
0060e0641a27	M0060e0641a27	Truffle Lite 2000	1.22	[REDACTED]	4069	UP
083571f2b5e0	M083571f2b5e0	Truffle 4000	1.22	[REDACTED]	4056	UP

The device ID represents the unique identifier generated for each device. This page will also provide you with the information about the device model and the running firmware version on the device. The STATUS column will provide the active/inactive status of the devices.

## Menu Selection

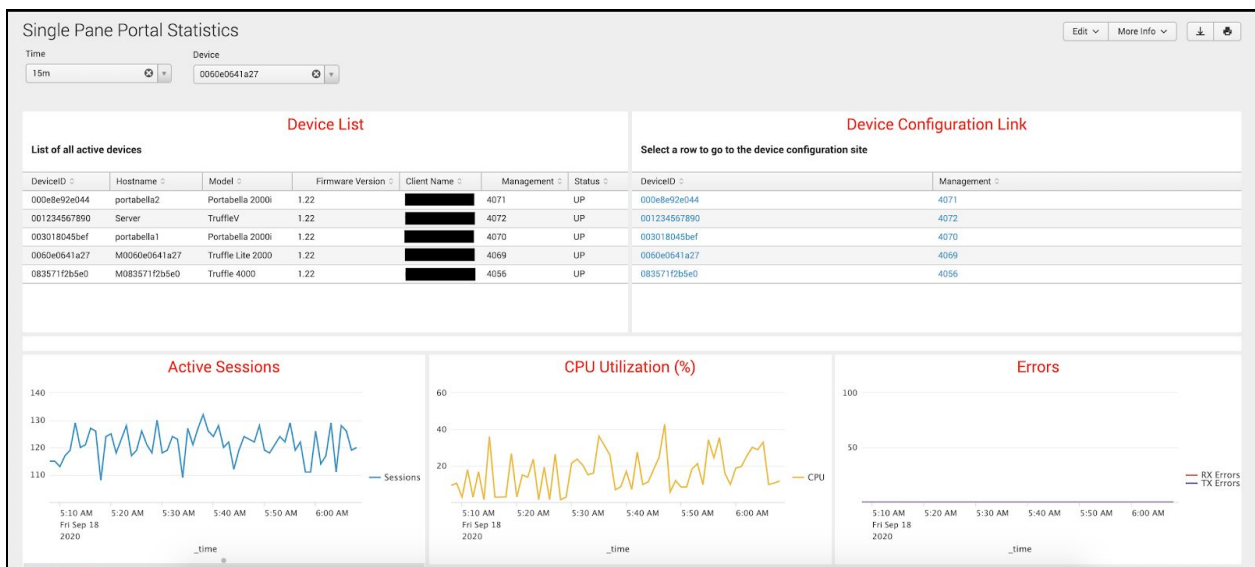
Left-clicking on any of the rows of a particular device will pop open an action-list.

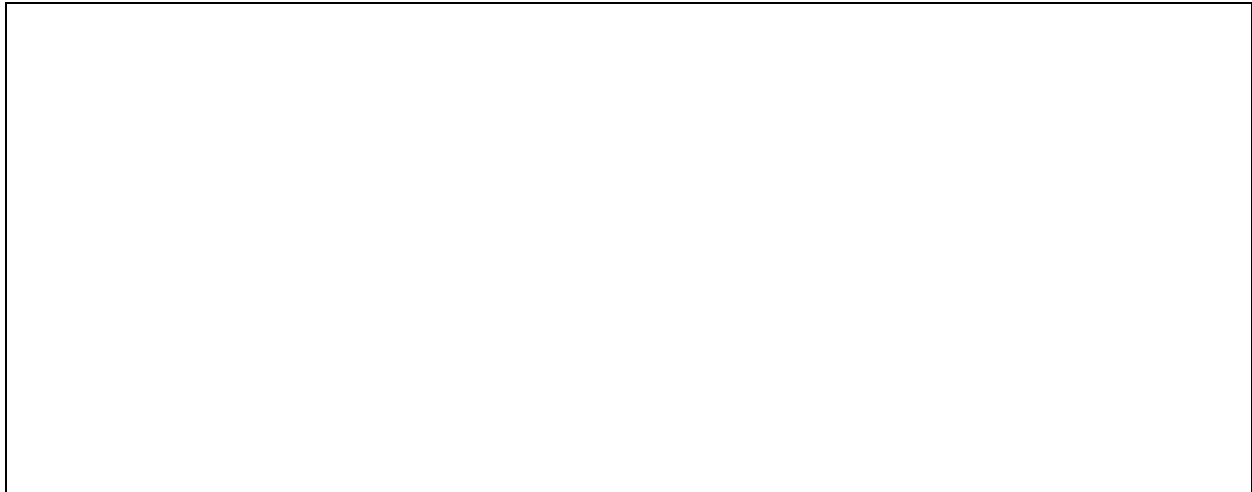
DeviceID	Hostname	Model	Firmware Version	Client Name	Management	Status
000e8e92e044	portabella2	Portabella 2000i	1.22		4071	UP
001234567890	Server	TruffleV	1.22		4072	UP
003018045bef	portabella1	Portabella 2000i	1.22		4070	UP
0060e0641a27	M0060e0641a27	Truffle Lite 2000	1.22		4069	UP
083571f2b5e0	M083571f2b5e0	Truffle 4000	1.22		4056	UP

- Remote GUI Access
- Upgrade
- WAN Interface Statistics
- App-Armor All Path Statistics
- App-Armor Tunnel Statistics
- VoIP Analysis
- Config Upload
- Syslog

## Single Pane View of All Devices

The Single Pane Portal Statistics page shows a comprehensive view of all of your devices. Attached below are screenshots of the Single Pane view page.





**Log Events**

Time	Events
1 08/31/2020 23:59:28	Aug 31 16:59:28 [redacted] ratemeter[15414]: host [redacted] uid [redacted] model:Truffle Lite 2000, iName:wlan 2, peakBW:0/0 Kbps, avgBW:0/0 Kbps, peakRTT:0/0 Kbps, avgRTT:0/0 Kbps, cpu:1.4, sessions:32, rx_errors:0, tx_errors:0 Aug 31 16:59:28 [redacted] ratemeter[15428]: host [redacted] uid [redacted] model:Truffle Lite 2000, iName:wlan 3, peakBW:4/3 Kbps, avgBW:3/3 Kbps, peakRTT:0/0 Kbps, avgRTT:0/0 Kbps, cpu:1.4, sessions:32, rx_errors:0, tx_errors:0
2 08/31/2020 23:58:48	Aug 31 16:58:48 [redacted] ratemeter[13064]: host [redacted] uid [redacted] model:Truffle Lite 2000, iName:wlan 2, peakBW:0/0 Kbps, avgBW:0/0 Kbps, peakRTT:0/0 Kbps, avgRTT:0/0 Kbps, cpu:2.8, sessions:26, rx_errors:0, tx_errors:0 Aug 31 16:58:48 [redacted] ratemeter[13078]: host [redacted] uid [redacted] model:Truffle Lite 2000, iName:wlan 3, peakBW:4/4 Kbps, avgBW:3/3 Kbps, peakRTT:0/0 Kbps, avgRTT:0/0 Kbps, cpu:2.8, sessions:26, rx_errors:0, tx_errors:0
3 08/31/2020 23:58:09	Aug 31 16:58:08 [redacted] ratemeter[10559]: host [redacted] uid [redacted] model:Truffle Lite 2000, iName:wlan 2, peakBW:0/0 Kbps, avgBW:0/0 Kbps, peakRTT:0/0 Kbps, avgRTT:0/0 Kbps, cpu:2.8, sessions:25, rx_errors:0, tx_errors:0 Aug 31 16:58:08 [redacted] ratemeter[10573]: host [redacted] uid [redacted] model:Truffle Lite 2000, iName:wlan 3, peakBW:4/3 Kbps, avgBW:3/3 Kbps, peakRTT:0/0 Kbps, avgRTT:0/0 Kbps, cpu:2.8, sessions:25, rx_errors:0, tx_errors:0
4 08/31/2020 23:57:29	Aug 31 16:57:28 [redacted] ratemeter[8269]: host [redacted] uid [redacted] model:Truffle Lite 2000, iName:wlan 2, peakBW:0/0 Kbps, avgBW:0/0 Kbps, peakRTT:0/0 Kbps, avgRTT:0/0 Kbps, cpu:1.4, sessions:32, rx_errors:0, tx_errors:0 Aug 31 16:57:28 [redacted] ratemeter[8283]: host [redacted] uid [redacted] model:Truffle Lite 2000, iName:wlan 3, peakBW:4/3 Kbps, avgBW:3/3 Kbps, peakRTT:0/0 Kbps, avgRTT:0/0 Kbps, cpu:1.4, sessions:32, rx_errors:0, tx_errors:0
5 08/31/2020 23:56:49	Aug 31 16:56:48 [redacted] ratemeter[5738]: host [redacted] uid [redacted] model:Truffle Lite 2000, iName:wlan 2, peakBW:0/0 Kbps, avgBW:0/0 Kbps, peakRTT:0/0 Kbps, avgRTT:0/0 Kbps, cpu:1.4, sessions:32, rx_errors:0, tx_errors:0 Aug 31 16:56:48 [redacted] ratemeter[5752]: host [redacted] uid [redacted] model:Truffle Lite 2000, iName:wlan 3, peakBW:4/4 Kbps, avgBW:3/3 Kbps, peakRTT:0/0 Kbps, avgRTT:0/0 Kbps, cpu:1.4, sessions:32, rx_errors:0, tx_errors:0

**8 Yj JW'GY'Ww]cb'**

The device dropdown allows you to select which device's data you would like to view.

## Single Pane Portal Statistics

**Time**

15m
✕
▾

**Device**

0060e0641a27
✕
▴

000e8e92e044

---

001234567890

---

003018045bef

---

0060e0641a27

---

083571f2b5e0

**List of all active devices**

8 Yj JW @gh

Clicking on a device ID will take you to that device's configuration page.

The screenshot shows two side-by-side panels. The left panel, titled "Device List", contains a table of active devices. The right panel, titled "Device Configuration Link", contains a table with links to the configuration pages for each device.

DeviceID	Hostname	Model	Firmware Version	Client Name	Management	Status
000e8e92e044	portabella2	Portabella 2000i	1.22	[REDACTED]	4071	UP
001234567890	Server	TruffleV	1.22	[REDACTED]	4072	UP
003018045bef	portabella1	Portabella 2000i	1.22	[REDACTED]	4070	UP
0050e0541a27	M0060e0641a27	Truffle Lite 2000	1.22	[REDACTED]	4069	UP
083571f2b5e0	M083571f2b5e0	Truffle 4000	1.22	[REDACTED]	4056	UP

DeviceID	Management
000e8e92e044	4071
001234567890	4072
003018045bef	4070
0050e0541a27	4069
083571f2b5e0	4056

The screenshot shows the "Management Interface - Configuration for [REDACTED]" page. It includes navigation tabs (HOME, ADVANCED, VLL, FIREWALL, VIDEO, PERFORMANCE, EXTRA, STATUS, ADMIN) and several configuration sections: LAN Connection, Wired WAN, Remote LAN (VLL), and Cellular WAN.

**LAN Connection**

Interface	IP Address	Type	Download/Upload	Peak
LAN	[REDACTED]	LAN	23/17 Kbps	23/17 Kbps

DHCP Server :  Enable  Disable Start IP: [REDACTED] End IP: [REDACTED]

**Wired WAN**

Interface	IP Address	External IP	Status	Type	Download/Upload	Peak
1	Unset	Unset	No Link	DHCP	0/0 Kbps	0/0 Kbps
2	Unset	Unset	No Link	Disable	0/0 Kbps	0/0 Kbps
3	[REDACTED]	[REDACTED]	Connected	Static	23/17 Kbps	23/17 Kbps
4	Unset	Unset	No Link	DHCP	0/0 Kbps	0/0 Kbps

**Remote LAN (VLL)**

Connection	Remote Network	Status	Notes	Download/Upload	Peak
[REDACTED]	-	Standby	None	0/0 Kbps	0/0 Kbps
[REDACTED]	[REDACTED]	Client Connections: 1 (of 1)	None	1/1 Kbps	1/1 Kbps

**Cellular WAN**

Interface	IP Address	Signal	Status	RTT	Carrier/Type	Download/Upload	Peak
No cellular devices connected							

## Remote GUI Access

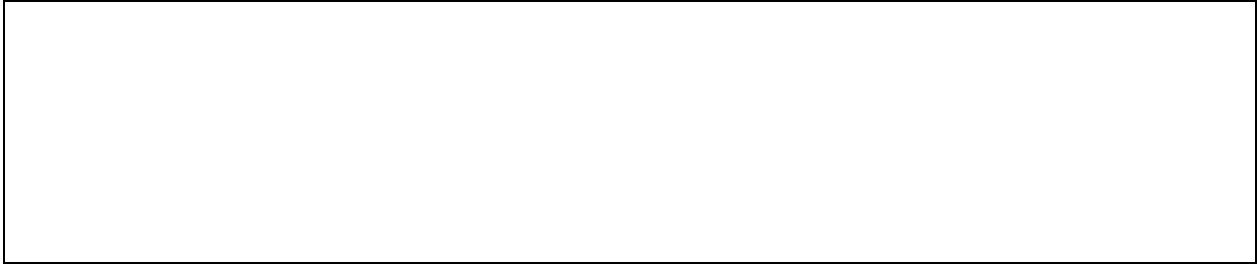
This will open up a new browser tab for that device's Graphical User Interface (GUI) for remote management and configuration.

## Firmware Upgrade

This will pop up a list of the available firmwares and the related upgrade permissions. Please read the [firmware upgrade FAQ](#) prior to proceeding with firmware upgrades.

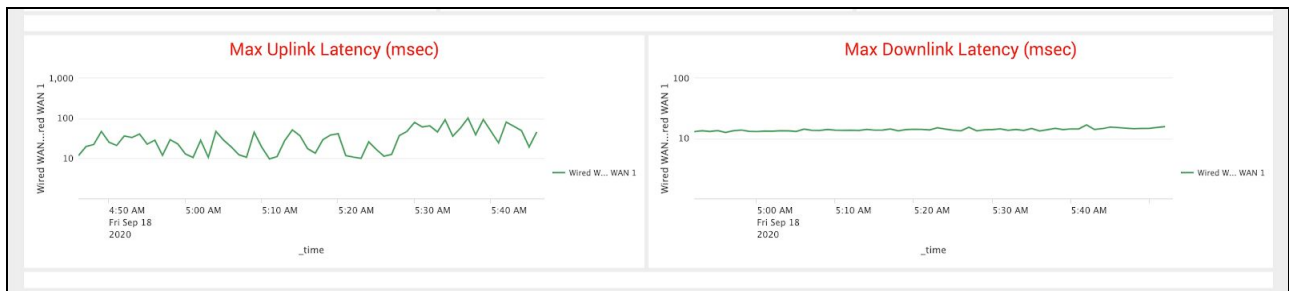
## WAN Interface Statistics

The Interface Statistics page presents statistics for each individual device. Attached below are screenshots of the WAN Interface Statistics page.



## App Armor All Path Statistics

This page will report path statistics for the App Armor tunnel.



## VoIP Analysis

This page will report the VoIP traffic statistics and MOS scores.

## Config Upload

This page allows you to restore a previously backed-up configuration file onto the device.

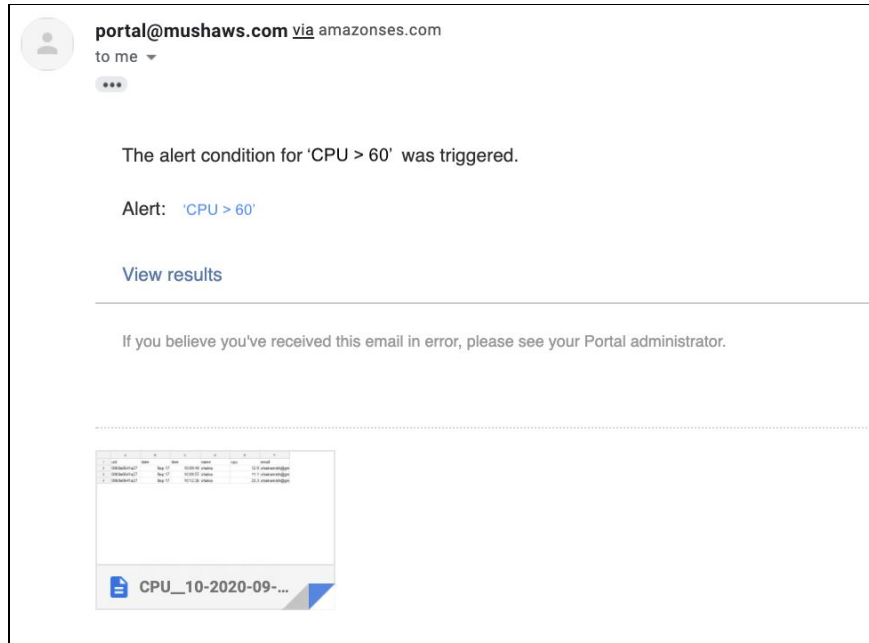
## Syslog

Syslog section provides a text-based output for the system log of the device.

Time	Syslog
11/17/2017 12:19:44	VOIP Armor tunnel uplink delay is 10365402 micro secs VOIP Armor: Wired WAN 3 -> Wired WAN 1 has loss rate of 0 packets per second delays (msec): [9813744, "Wired WAN 3", "Wired WAN 1", 9681285]
11/17/2017 12:19:54	VOIP Armor tunnel uplink delay is 11019137 micro secs VOIP Armor: Wired WAN 3 -> Wired WAN 1 has loss rate of 0 packets per second delays (msec): [9771060, "Wired WAN 3", "Wired WAN 1", 9712742]
11/17/2017 12:20:04	VOIP Armor tunnel uplink delay is 9663478 micro secs VOIP Armor: Wired WAN 3 -> Wired WAN 1 has loss rate of 0 packets per second delays (msec): [10474663, "Wired WAN 3", "Wired WAN 1", 9392128]
11/17/2017 12:20:14	VOIP Armor tunnel uplink delay is 10805601 micro secs VOIP Armor: Wired WAN 3 -> Wired WAN 1 has loss rate of 0 packets per second delays (msec): [9715103, "Wired WAN 3", "Wired WAN 1", 9647857]

# Alerts

Alerts are notifications sent to the email address registered for a specific device. Alerts will be triggered when certain criteria are met. In the following example, an email alert was sent when the CPU utilization percentage hit a value that was greater than 60 percent. Every email includes the syslog events that triggered the alert in csv format.



	A	B	C	D	E	F
1	uid	date	time	name	cpu	email
2	[redacted]	Sep 17	10:09:18	[redacted]	62.4	[redacted]
3	[redacted]	Sep 17	10:09:57	[redacted]	75.2	[redacted]
4	[redacted]	Sep 17	10:12:35	[redacted]	60.1	[redacted]