

CORNING EVERON™ 6000 SOLUTIONS

DEU ID: 2
Equipment Mode: 25G
Equipment Model: DEU-G2-25G
Equipment SN: D430-DEU-B04
Firmware Version: 23.4.2.11_Everon_6000_DEU_P2.V01.00.03.87
Hardware Version: 1
Site Info: DEU222222222222

Dashboard | DEU | RU | **Function** | User | Notification

Device Info | **Reset** | Trigger Switch | Firmware | Alarm Setting | Import & Export | Log

Item	Action
Restore Factory Settings	Reset
Clear History Alarm	Clear
DEU Software Reset	Reset
DEU Hardware Reset	Reset
RU1 Software Reset	Reset
RU1 Hardware Reset	Reset
RU3 Software Reset	Reset
RU3 Hardware Reset	Reset
RU4 Software Reset	Reset
RU4 Hardware Reset	Reset
RU9 Software Reset	Reset
RU9 Hardware Reset	Reset
RU13 Software Reset	Reset
RU13 Hardware Reset	Reset
RU17 Software Reset	Reset
RU17 Hardware Reset	Reset

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Figure 168. DEU25G Function Reset

CORNING EVERON™ 6000 SOLUTIONS

DEU ID: 1
Equipment Mode: 10G
Equipment Model: DEU-G2
Equipment SN: 072245700F
Firmware Version: 23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38
Hardware Version: 1
Site Info: NA

Dashboard | DEU | RU | **Function** | User | Notification

Device Info | **Reset** | Trigger Switch | Firmware | Alarm Setting | Import & Export | Log

Item	Action
Restore Factory Settings	Reset
Clear History Alarm	Clear
DEU Software Reset	Reset
DEU Hardware Reset	Reset

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Figure 169.DEU 10 G Function Reset

5.3.2.3 Trigger Switch

Click DEU->Function->Trigger Switch.

The screenshot displays the web interface for a CORNING EVERON™ 6000 SOLUTIONS device. The top navigation bar is blue with the text "CORNING EVERON™ 6000 SOLUTIONS" and a user profile "admin". The main content area shows a device image on the left and configuration details on the right. The configuration details include:

- DEU ID: 2
- Equipment Mode: 25G
- Equipment Model: DEU-G2-25G
- Equipment SN: D430-DEU-B04
- Firmware Version: 23.4.2.11_Everon_6000_DEU_P2.V01.00.03.87
- Hardware Version: 1
- Site Info: DEU22222222222222

Below the configuration details is a tabbed interface with the following tabs: Device Info, Reset, Trigger Switch (highlighted), Firmware, Alarm Setting, Import & Export, and Log. The Trigger Switch tab contains a table with the following data:

Item	Action
DEU Identify	Test
RU1 Identify	Test
RU3 Identify	Test
RU4 Identify	Test
RU9 Identify	Test
RU13 Identify	Test
RU17 Identify	Test
RU21 Identify	Test

The left sidebar contains the following menu items: Dashboard, DEU, RU, Function (highlighted), User, and Notification. The bottom right corner of the interface has the text "© CORNING all right reserved".

Figure 170.DEU 25G—Function--Trigger Switch

The screenshot displays the web interface for a CORNING EVERON™ 6000 SOLUTIONS device. The top navigation bar is blue with the text "CORNING EVERON™ 6000 SOLUTIONS" and a user profile "admin". The main content area shows a device image on the left and configuration details on the right. The configuration details include:

- DEU ID: 1
- Equipment Mode: 10G
- Equipment Model: DEU-G2
- Equipment SN: 072245700F
- Firmware Version: 23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38
- Hardware Version: 1
- Site Info: NA

Below the configuration details is a tabbed interface with the following tabs: Device Info, Reset, Trigger Switch (highlighted), Firmware, Alarm Setting, Import & Export, and Log. The Trigger Switch tab contains a table with the following data:

Item	Action
DEU Identify	Test

The left sidebar contains the following menu items: Dashboard, DEU, RU, Function (highlighted), User, and Notification. The bottom right corner of the interface has the text "© CORNING all right reserved".

Figure 171.DEU 10 G—Function--Trigger Switch

5.3.2.4 Firmware

Click Function Firmware and the firmware info can be viewed and upgraded.

CORNING EVERON™ 6000 SOLUTIONS admin

DEU ID: 2
Equipment Mode: 25G
Equipment Model: DEU-G2-25G
Equipment SN: D430-DEU-804
Firmware Version: 23.4.2.11_Everon_6000_DEU_P2.V01.00.03.87
Hardware Version: 1
Site Info: DEU222222222222

Dashboard | DEU | RU | **Function** | User | Notification

Device Info | Reset | Trigger Switch | **Firmware** | Alarm Setting | Import & Export | Log

DEU Firmware Info

More	Name	Firmware Version	Boot Version	FGPA Version	Firmware Version Date	Boot Date	FGPA Date
>	Active	23.4.2.11_Everon_6000_DEU_P2.V01.00.03.87	23.4.2.11_Everon_6000_DEU_P2.V01.00.00.10	23.4.2.11_Everon_6000_DEU_P2.V01.00.03.10	11/15/2023	09/08/2023	10/31/2023
>	InActive	23.4.1.11_Everon_6000_DEU_P2.V01.00.03.76	23.4.1.11_Everon_6000_DEU_P2.V01.00.00.10	23.4.1.11_Everon_6000_DEU_P2.V01.00.03.08	09/08/2023	09/08/2023	06/29/2023

RU Firmware Info

Name	Value
RU 1 Version	23.4.2.11_Everon_6000_DMRLUH_P2.V01.00.03.55
RU 3 Version	23.4.2.11_Everon_6000_DMRLUH_P2.V01.00.04.94
RU 4 Version	23.4.2.11_Everon_6000_DMRLUH_P2.V01.00.04.94
RU 9 Version	23.4.2.11_Everon_6000_DMRLUH_P2.V02.00.00.50
RU 13 Version	23.4.2.11_Everon_6000_DMRLUH_P2.V01.00.03.55
RU 17 Version	23.4.2.11_Everon_6000_DMRLUH_P2.V02.00.00.50
RU 21 Version	23.4.2.11_Everon_6000_DMRLUH_P2.V02.00.00.50

DEU & RU Firmware Upgrade

Centralized Upgrade Switch	Progress	File
OFF	0%	Scan

Upgrade

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Figure 172. DEU 25G Function Firmware

CORNING EVERON™ 6000 SOLUTIONS admin

DEU ID: 1
Equipment Mode: 10G
Equipment Model: DEU-G2
Equipment SN: 072245700F
Firmware Version: 23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38
Hardware Version: 1
Site Info: NA

Dashboard | DEU | RU | **Function** | User | Notification

Device Info | Reset | Trigger Switch | **Firmware** | Alarm Setting | Import & Export | Log

DEU Firmware Info

More	Name	Firmware Version	Boot Version	Blacklist Switch
>	Active	23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38	23.4.1.11_Everon_6000_DEU_P2.V01.00.00.10	23.4.1.11_Ev
>	InActive	Everon_6000_DEU_P2.V01.00.03.87	Everon_6000_DEU_P2.V01.00.00.10	Everon_

DEU & RU Firmware Upgrade

Centralized Upgrade Switch	Blacklist Switch
ON	ON

Figure 173.DEU 10G Function Firmware

5.3.2.5 Alarm Setting

Click Function Alarm Setting to set the DEU alarm detect duration.

CORNING EVERON™ 6000 SOLUTIONS

DEU ID: 2
Equipment Mode: 25G
Equipment Model: DEU-G2-25G
Equipment SN: D430-DEU-B04
Firmware Version: 23.4.2.11_Everon_6000_DEU_P2.V01.00.03.87
Hardware Version: 1
Site Info: DEU222222222222

Device Info | Reset | Trigger Switch | Firmware | **Alarm Setting** | Import & Export | Log

Name	Value
Alarm Detect Duration(10s)	0x10s

Dashboard | DEU | RU | **Function** | User | Notification

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Figure 174. DEU25G Function Alarm Setting

CORNING EVERON™ 6000 SOLUTIONS

DEU ID: 1
Equipment Mode: 10G
Equipment Model: DEU-G2
Equipment SN: 072245700F
Firmware Version: 23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38
Hardware Version: 1
Site Info: NA

Device Info | Reset | Trigger Switch | Firmware | **Alarm Setting** | Import & Export | Log

Name	Value
Alarm Detect Duration(10s)	0x10s

Dashboard | DEU | RU | **Function** | User | Notification

Figure 175.DEU10G Function Alarm Setting

5.3.2.6 Import & Export

Import and export the DEU configuration by clicking Function Import & Export.

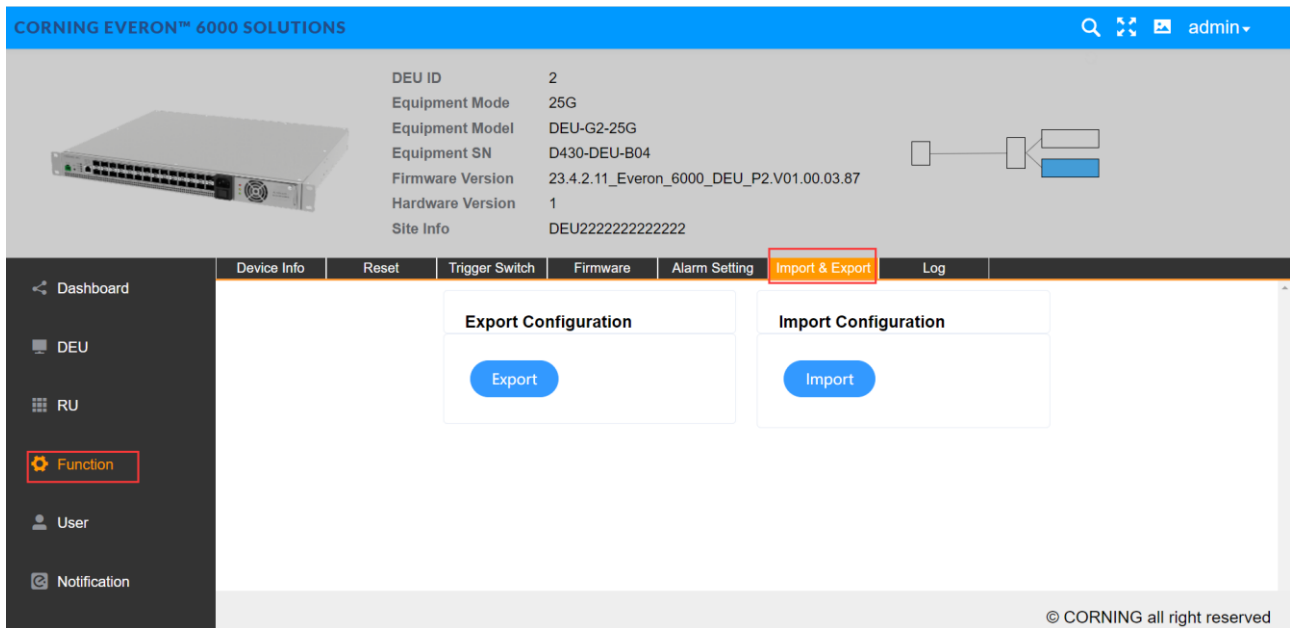


Figure 176.DEU25G Function Import & Export

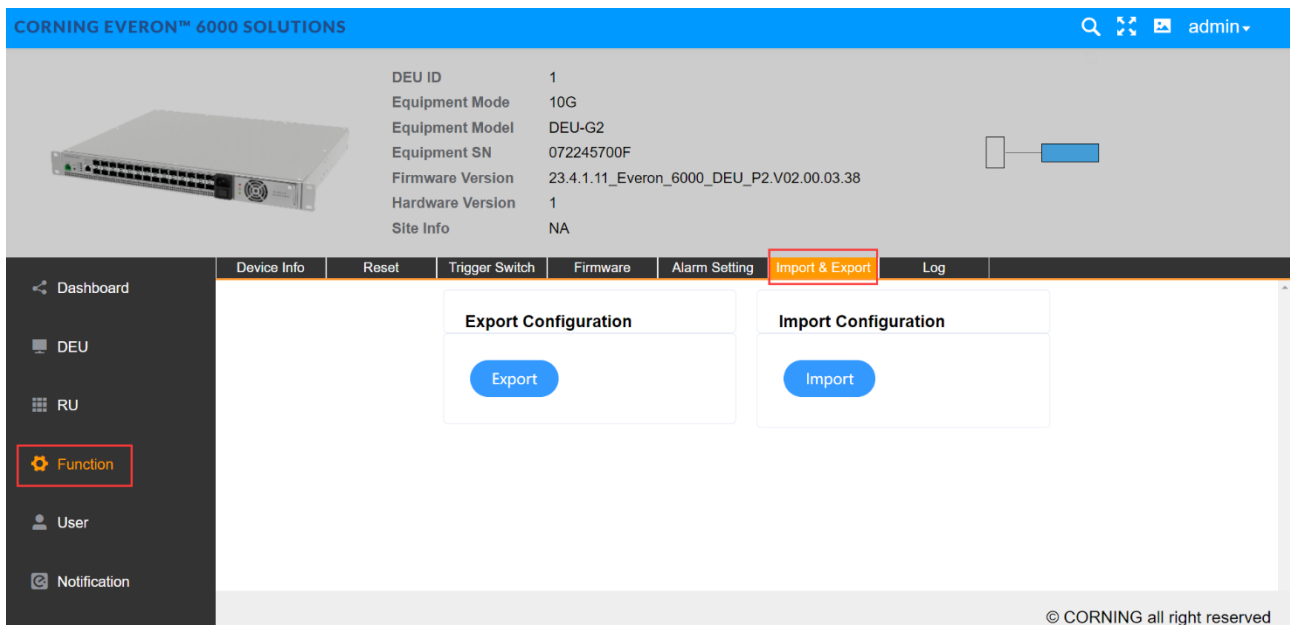


Figure 177.DEU 10 G Function Import & Export

5.3.2.7 Log

Click Function Log to export the log of DEU for problem analysis.

The screenshot displays the web interface for the CORNING EVERON™ 6000 SOLUTIONS. The top navigation bar is blue with the product name and a user profile 'admin'. Below this, a grey header section contains a device image on the left and a table of specifications on the right. The table lists: DEU ID (2), Equipment Mode (25G), Equipment Model (DEU-G2-25G), Equipment SN (D430-DEU-B04), Firmware Version (23.4.2.11_Everon_6000_DEU_P2.V01.00.03.87), Hardware Version (1), and Site Info (DEU22222222222222). To the right of the table is a small network diagram. Below the header is a dark sidebar with navigation links: Dashboard, DEU, RU, Function (highlighted with a red box), User, and Notification. The main content area has a top bar with tabs: Device Info, Reset, Trigger Switch, Firmware, Alarm Setting, Import & Export, and Log (highlighted with a red box). The 'Log' tab is active, showing a white box with the text 'Export Log' and a blue 'Export' button. The footer of the interface reads '© CORNING all right reserved'.

DEU ID	Equipment Mode	Equipment Model	Equipment SN	Firmware Version	Hardware Version	Site Info
2	25G	DEU-G2-25G	D430-DEU-B04	23.4.2.11_Everon_6000_DEU_P2.V01.00.03.87	1	DEU22222222222222

Figure 178.DEU 25G Function Log

The screenshot displays the web interface for the CORNING EVERON™ 6000 SOLUTIONS, similar to the previous one but for a different device. The top navigation bar and user profile are the same. The grey header section shows a device image and a table of specifications: DEU ID (1), Equipment Mode (10G), Equipment Model (DEU-G2), Equipment SN (072245700F), Firmware Version (23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38), Hardware Version (1), and Site Info (NA). The sidebar navigation is identical, with 'Function' highlighted. The main content area's top bar has the same tabs, with 'Log' highlighted. The 'Log' tab is active, showing a white box with 'Export Log' and a blue 'Export' button. The footer reads '© CORNING all right reserved'.

DEU ID	Equipment Mode	Equipment Model	Equipment SN	Firmware Version	Hardware Version	Site Info
1	10G	DEU-G2	072245700F	23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38	1	NA

Figure 179.DEU 10G Function Log

5.3.3 DEU -> User Info

5.3.3.1 Password

Click User->Password to reset DEU password.

The screenshot displays the 'CORNING EVERON™ 6000 SOLUTIONS' web interface. The top navigation bar is blue with a search icon, a refresh icon, and a user profile icon labeled 'admin'. Below the header, there is a section for DEU information. On the left is an image of the DEU25G device. To its right is a table of specifications:

DEU ID	2
Equipment Mode	25G
Equipment Model	DEU-G2-25G
Equipment SN	D430-DEU-B04
Firmware Version	23.4.2.11_Everon_6000_DEU_P2.V01.00.03.87
Hardware Version	1
Site Info	DEU222222222222

To the right of the table is a small diagram showing a connection between a box and a blue box. Below this is a tabbed interface with 'Password', 'User Info', and 'Login Info'. The 'Password' tab is selected and highlighted with a red box. The main content area shows two password input fields labeled 'New Password' and 'Confirm Password', each with a lock icon. Below these fields is a blue 'Modify' button. A left sidebar contains navigation links: 'Dashboard', 'DEU', 'RU', 'Function', 'User' (highlighted with a red box), and 'Notification'. The footer of the interface states '© CORNING all right reserved'.

Figure 180. DEU25G User Password

The screenshot displays the 'CORNING EVERON™ 6000 SOLUTIONS' web interface for a DEU 10 G. The top navigation bar is blue with a search icon, a refresh icon, and a user profile icon labeled 'admin'. Below the header, there is a section for DEU information. On the left is an image of the DEU 10 G device. To its right is a table of specifications:

DEU ID	1
Equipment Mode	10G
Equipment Model	DEU-G2
Equipment SN	072245700F
Firmware Version	23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38
Hardware Version	1
Site Info	NA

To the right of the table is a small diagram showing a connection between a box and a blue box. Below this is a tabbed interface with 'Password', 'User Info', and 'Login Info'. The 'Password' tab is selected and highlighted with a red box. The main content area shows two password input fields labeled 'New Password' and 'Confirm Password', each with a lock icon. Below these fields is a blue 'Modify' button. A left sidebar contains navigation links: 'Dashboard', 'DEU', 'RU', 'Function', 'User' (highlighted with a red box), and 'Notification'. The footer of the interface states '© CORNING all right reserved'.

Figure 181. DEU 10 G User Password

5.3.3.2 User Info

Click User->User Info to add a user to set the role and password.

CORNING EVERON™ 6000 SOLUTIONS

DEU ID: 2
Equipment Mode: 25G
Equipment Model: DEU-G2-25G
Equipment SN: D430-DEU-B04
Firmware Version: 23.4.2.11_Everon_6000_DEU_P2.V01.00.03.87
Hardware Version: 1
Site Info: DEU22222222222222

DEU

RU

Function

User

Notification

Password User Info Login Info

User Name	Role	Status	Operation
admin	admin		Reset

Add User

© CORNING all right reserved

Figure 182.DEU25G User User Info

CORNING EVERON™ 6000 SOLUTIONS

DEU ID: 1
Equipment Mode: 10G
Equipment Model: DEU-G2
Equipment SN: 072245700F
Firmware Version: 23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38
Hardware Version: 1
Site Info: NA

DEU

RU

Function

User

Notification

Password User Info Login Info

User Name	Role	Status	Operation
admin	admin		Reset

Add User

© CORNING all right reserved

Figure 183.DEU 10G User User Info

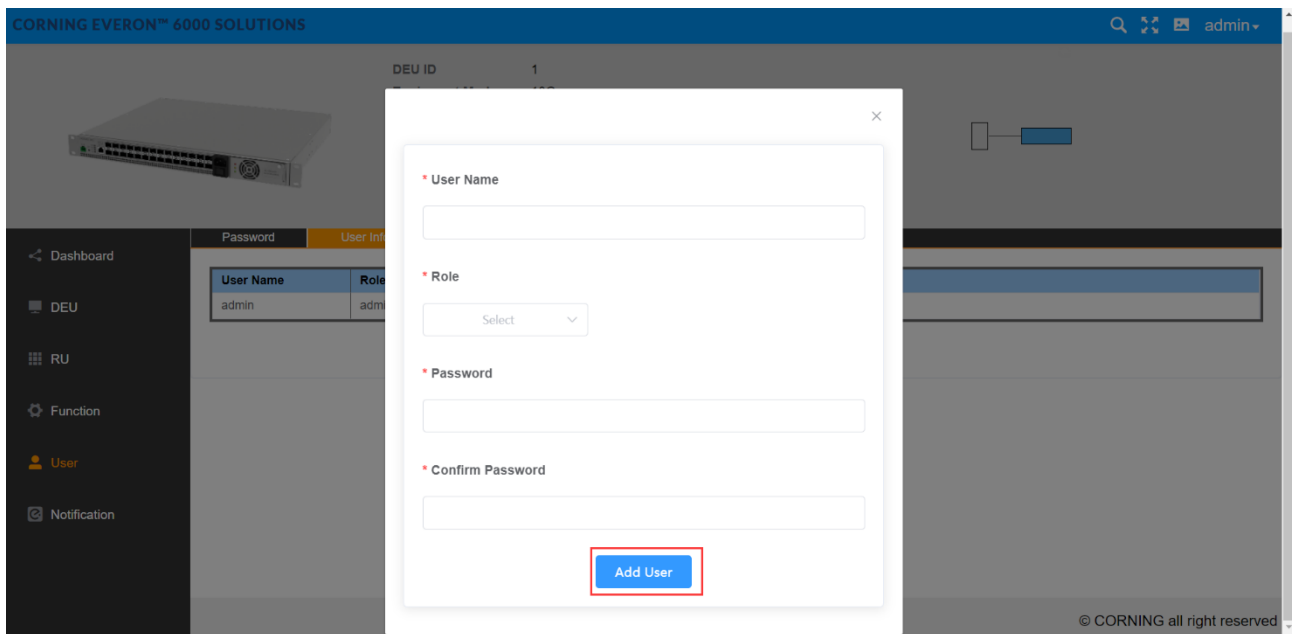


Figure 184.DEU10G/25G User User Info Add User

5.3.3.3 Login Info

Click User->Login Info to set the max value of entering the password.

The screenshot displays the web interface for a CORNING EVERON™ 6000 SOLUTIONS device. The top navigation bar is blue with the text "CORNING EVERON™ 6000 SOLUTIONS" and a search icon. The main content area shows a device image on the left and a list of specifications on the right: DEU ID (2), Equipment Mode (25G), Equipment Model (DEU-G2-25G), Equipment SN (D430-DEU-B04), Firmware Version (23.4.2.11_Everon_6000_DEU_P2.V01.00.03.87), Hardware Version (1), and Site Info (DEU22222222222222). Below this, a sidebar on the left contains navigation links: Dashboard, DEU, RU, Function, User (highlighted with a red box), and Notification. The main content area has a tabbed interface with "Password", "User Info", and "Login Info" (highlighted with a red box). The "Login Info" tab shows a table with the following data:

Item	Value	Operation
Maximum Failed Login	5	Edit

The bottom right corner of the interface contains the text "© CORNING all right reserved".

Figure 185. DEU25G User Login Info

The screenshot displays the web interface for a CORNING EVERON™ 6000 SOLUTIONS device. The top navigation bar is blue with the text "CORNING EVERON™ 6000 SOLUTIONS" and a search icon. The main content area shows a device image on the left and a list of specifications on the right: DEU ID (1), Equipment Mode (10G), Equipment Model (DEU-G2), Equipment SN (072245700F), Firmware Version (23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38), Hardware Version (1), and Site Info (NA). Below this, a sidebar on the left contains navigation links: Dashboard, DEU, RU, Function, User (highlighted with a red box), and Notification. The main content area has a tabbed interface with "Password", "User Info", and "Login Info" (highlighted with a red box). The "Login Info" tab shows a table with the following data:

Item	Value	Operation
Maximum Failed Login	5	Edit

The bottom right corner of the interface contains the text "© CORNING all right reserved".

Figure 186.DEU 10 G User Login Info

5.3.3.4 Notification

CORNING EVERON™ 6000 SOLUTIONS admin



DEU ID	2
Equipment Mode	25G
Equipment Model	DEU-G2-25G
Equipment SN	D430-DEU-B04
Firmware Version	23.4.2.11_Everon_6000_DEU_P2.V01.00.03.87
Hardware Version	1
Site Info	DEU222222222222



Dashboard

DEU

RU

Function

User

Notification

Notification

Type	Active Firmware Version	Non-Supported Firmware Version
DEU	Everon_6000_DEU_P2.V01.00.03.56	Everon_6000_DEU_P2.V01.00.02.01 Everon_6000_DEU_P2.V01.00.02.05 Everon_6000_DEU_P2.V01.00.02.40 Everon_6000_DEU_P2.V01.00.02.53
DLRU-3.5	Everon_6000_DLRUH_P2.V01.00.03.01	Everon_6000_DLRUH_P2.V01.00.02.07 Everon_6000_DLRUH_P2.V01.00.02.10 Everon_6000_DLRUH_P2.V01.00.03.17 Everon_6000_DLRUH_P2.V01.00.03.29 Everon_6000_DLRUH_P2.V01.00.03.41
DMRU-3.5	Everon_6000_DMRUH_P2.V01.00.03.01	Everon_6000_DMRUH_P2.V01.00.01.18 Everon_6000_DMRUH_P2.V01.00.02.05 Everon_6000_DMRUH_P2.V01.00.02.09 Everon_6000_DMRUH_P2.V01.00.02.11

Note: The active firmware can not upgrade/downgrade to the non-supported firmware version

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Figure 187.DEU 25G Notification

CORNING EVERON™ 6000 SOLUTIONS admin



DEU ID	1
Equipment Mode	10G
Equipment Model	DEU-G2
Equipment SN	072245700F
Firmware Version	23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38
Hardware Version	1
Site Info	NA



Dashboard

DEU

RU

Function

User

Notification

Notification

Type	Active Firmware Version	Non-Supported Firmware Version
DLRU-L	Everon_6000_DLRUL_P2.V02.00.02.02	Everon_6000_DLRUL_P2.V01.*.*
DLRU-M	Everon_6000_DLRUM_P2.V02.00.02.04	Everon_6000_DLRUM_P2.V01.*.*

Note: The active firmware can not upgrade/downgrade to the non-supported firmware version

Figure 188. DEU 10 G Notification

5.4 dMRU Config

5.4.1 RU -> Overview & Alarm

Click RU to enter the Overview interface and view the current status of RU alarms (e.g., Link Alarm).

CORNING EVERON™ 6000 SOLUTIONS

DEU ID 10
RU Number 7

Overview RU1 RU3 RU5 RU9 RU13 RU19 RU23

Batch

More	RU ID	Equipment Alarm	Equipment Model	Equipment SN	Firmware Version
>	1	●	dLRU-G2-35	SNDLRU221109010	23.4.1.11_Everon_6000_DLRUH_P2.V01.00.04.92
>	3	●	dMRU-G2-35	dmru1-123456789	23.4.1.11_Everon_6000_DMRUH_P2.V01.00.03.51
>	5	●	dMRU-G2-25	18	23.4.1.11_Everon_6000_DMRUH_P2.V01.00.03.51
>	9	●	dLRU-G2-25	0	23.4.1.11_Everon_6000_DLRUH_P2.V01.00.04.92
>	13	●	dMRU-G2-2325	0	23.4.1.11_Everon_6000_DMRUF_P2.V02.00.00.46
>	19	●	dMRU-G2-678	F1F2F3F4F51234567890	23.4.1.11_Everon_6000_DMRUF_P2.V02.00.00.46
>	23	●	dMRU-G2-1719	072250FF02	23.4.1.11_Everon_6000_DMRUF_P2.V02.00.00.46

Figure 189.DEU RU Overview

Each alarm is defined as follows:

- Link Alarm
- Digital HW ALM
- Temperature Alarm
- Low Transmission Alarm
- Overflow Alarm
- DC Voltage Lower Alarm
- Over Consumption Alarm
- Firmware Mismatch Alarm

Drag the scroll bar to view more information (e.g., Low Transmission Alarm) as shown in Figure 190.

CORNING EVERON™ 6000 SOLUTIONS

admin

DEU ID

10

RU Number

7

Dashboard

DEU

RU

Function

User

Notification

Overview

RU1

RU3

RU5

RU9

RU13

RU19

RU23

Batch

More	RU ID	Equipment Alarm	Equipment Model	Equipment SN	Firmware Version	Site Info	Temperature	DC Voltage
>	1		dLRU-G2-35	SNDLRU221109010	23.4.1.11_Everon_6000_DLRUH_P2.V01.00.04.92	0	53°C	56.7V
	3		dMRU-G2-35	dmru1-123456789	23.4.1.11_Everon_6000_DMRUH_P2.V01.00.03.51	0	48°C	48.2V

Name	Value
Power Consumption	60W
Power Saving	OFF
Link Alarm	
Digital HW Alarm	
Temperature Alarm	
Low Transmission Alarm	
Overflow Alarm	
DC Voltage Lower Alarm	
Over Power Consumption Alarm	
Firmware Mismatch Alarm	

Figure 190.RU Overview More

5.4.2 dMRU Parameter config

5.4.2.1 RF Info

Click RF Info to read various RF information of RU.

Figure 191. RF Info

SN	RU parameter	Range	Default values	Remark
1	RF Switch	ON/OFF	ON	
2	DL ATTN	(0~20) dB	10 dB	0dB (max power)
3	UL ATTN	(0~20) dB	10 dB	0dB (max power)
4	Work Mode	Normal DL force uplink UL force uplink	Normal	
5	Delay adjust mode	Auto/Manual	Auto	
6	Manual Delay Adjust Value	0~50000ns	Ons	
7	Fan Switch	ON/OFF	OFF	
8	DL VSWR THR	1.5/2.0/2.5	1.5	

➤ To configure the RF info

- Click RU RU 3 to enter the info page.
- Click the icon  in each field.
- Select one from the drop-down options (In the Band of example below, N3500F is selected).
- For UL ATT, DL ATT, enter values with the range according to the parameters form above.
- For RF Switch, DL VSWR Alarm, Antenna Sense Alarm and PA Alarm, select ON/OFF and Enable /Disable button.
- Click Finish  to complete the settings.

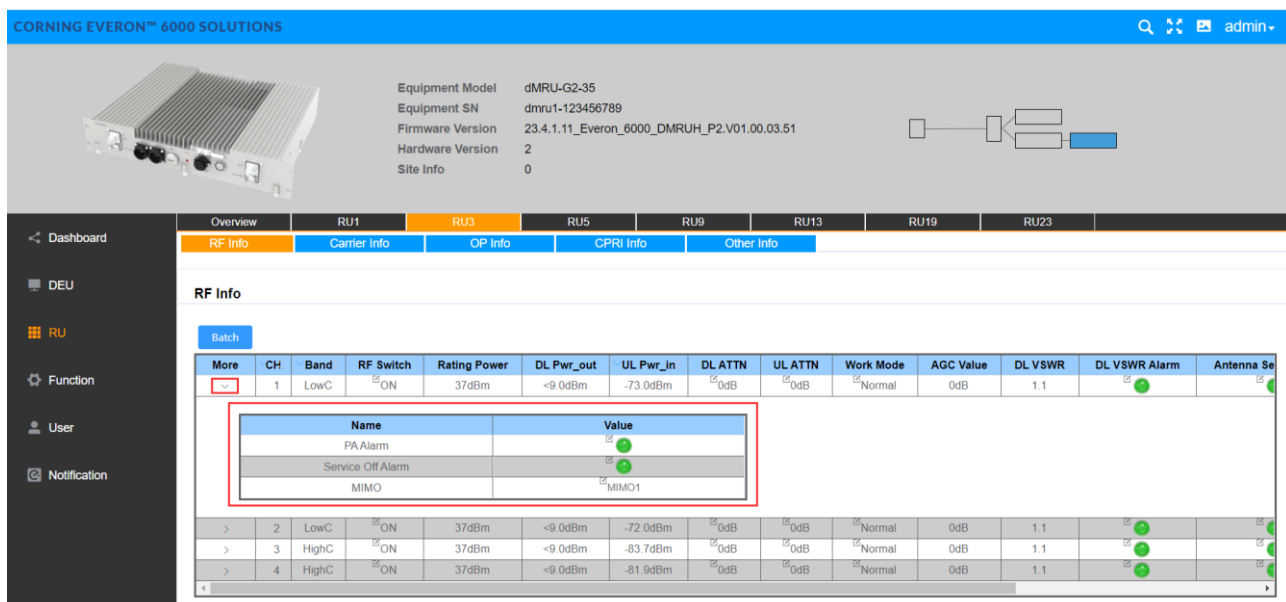


Figure 192. RF info More

5.4.2.2 Carrier Info

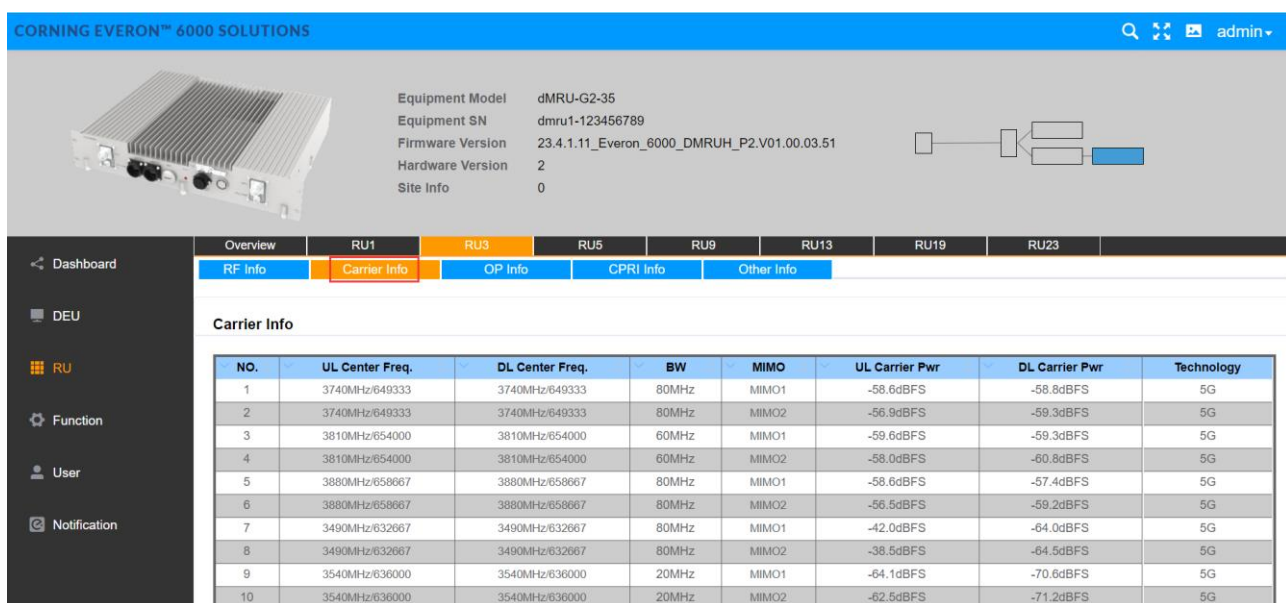


Figure 193. RU Carrier Info

5.4.2.3 OP Info

The OP Info list box displays the current optical port connection status and information reading volume of the device.

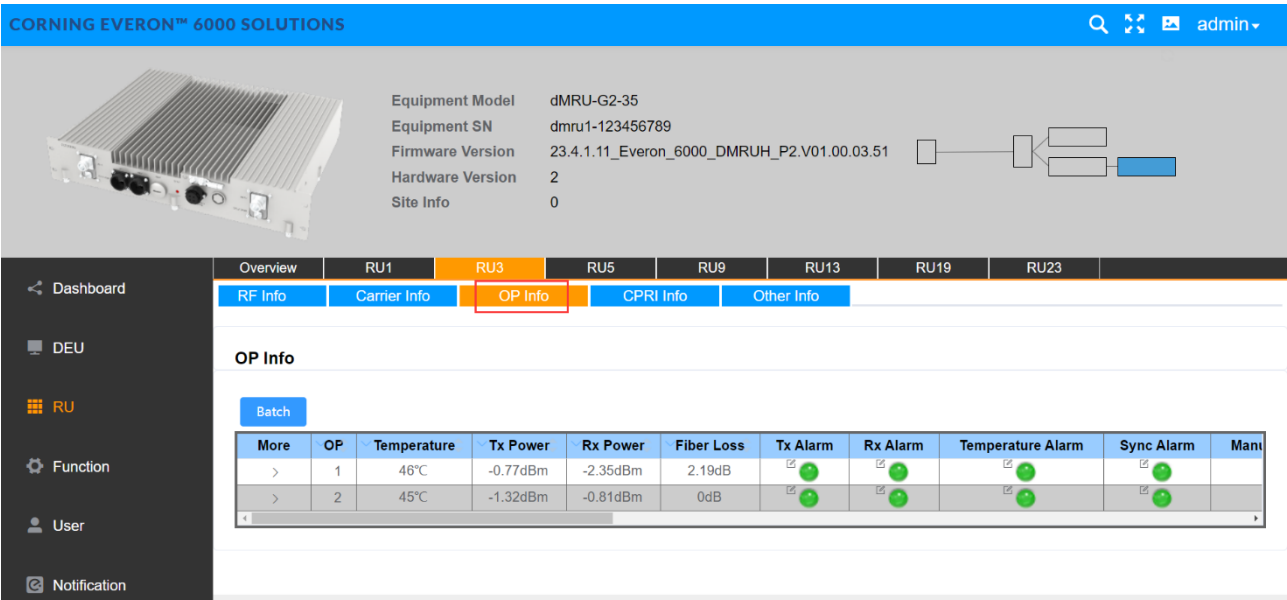


Figure 194. RU OP Info

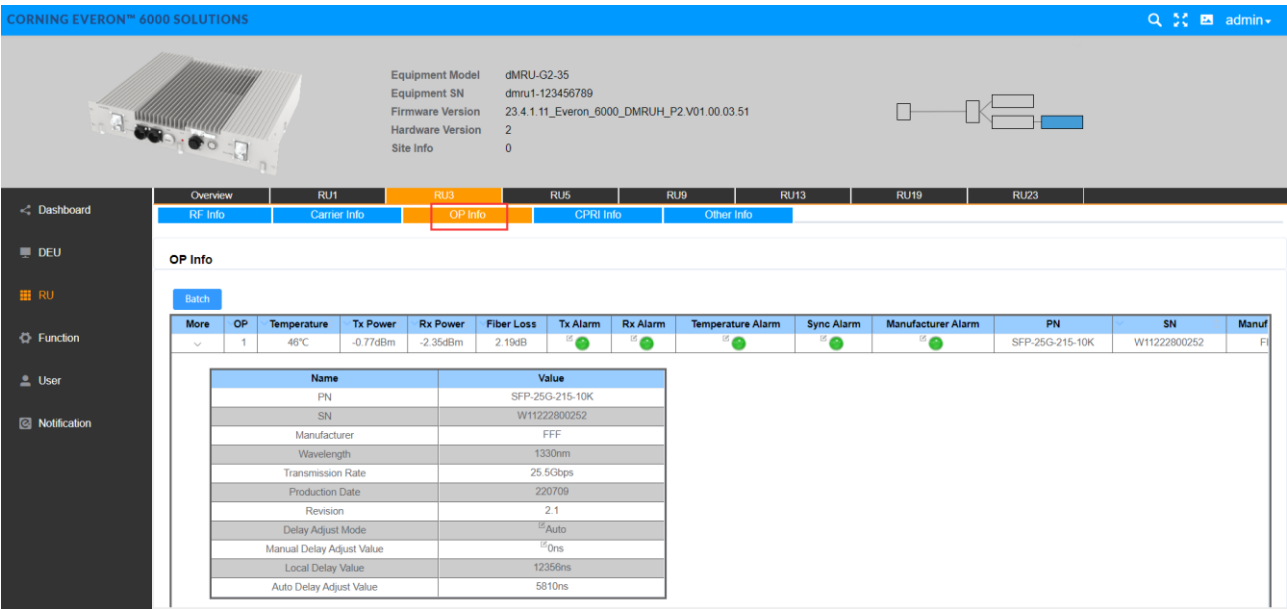


Figure 195. RU OP Info More

5.4.2.4 CPRI Info

CORNING EVERON™ 6000 SOLUTIONS

Equipment Model: dMRU-G2-35
Equipment SN: dmru1-123456789
Firmware Version: 23.4.1.11_Everon_6000_DMRUH_P2.V01.00.03.51
Hardware Version: 2
Site Info: 0

Carrier Num: 0/32 10/15/20MHz: 0/32 30/40/50MHz: 0/12 60/70/80/90/100MHz: 0/12 150/200MHz: 0/2

Dashboard | DEU | RU | Function | User | Notification

Overview | RU1 | RU3 | RU5 | RU9 | RU13 | RU19 | RU23

RF Info | Carrier Info | OP Info | CPRI Info | Other Info

Figure 196. RU—CPRI Info

5.4.2.5 Other Info

CORNING EVERON™ 6000 SOLUTIONS

Equipment Model: dMRU-G2-35
Equipment SN: dmru1-123456789
Firmware Version: 23.4.1.11_Everon_6000_DMRUH_P2.V01.00.03.51
Hardware Version: 2
Site Info: 0

Other Info

Batch

Name	Value
Fan Switch	OFF
Fan Alarm 1	ON
Fan Alarm 2	ON
Fan Alarm 3	ON
DL VSWR THR	2.0

Dashboard | DEU | RU | Function | User | Notification

Overview | RU1 | RU3 | RU5 | RU9 | RU13 | RU19 | RU23

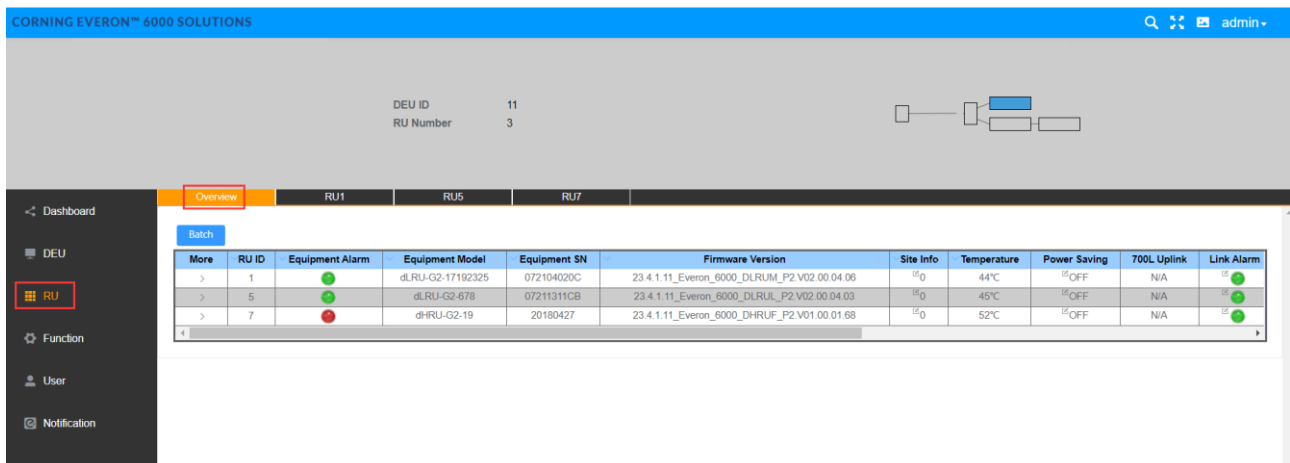
RF Info | Carrier Info | OP Info | CPRI Info | Other Info

Figure 197. RU Other info

5.5 dLRU Config

5.5.1 RU -> Overview & Alarm

Click RU to enter the Overview interface and view the current status of RU alarms (e.g., Link Alarm).



CORNING EVERON™ 6000 SOLUTIONS

DEU ID 11
RU Number 3

Overview RU1 RU5 RU7

Batch

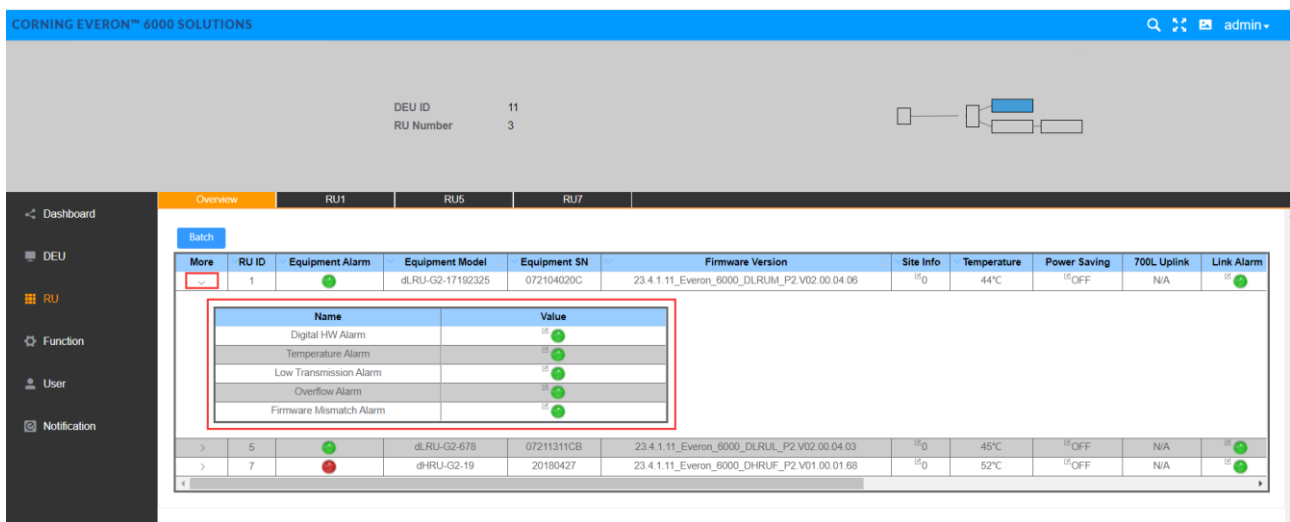
More	RU ID	Equipment Alarm	Equipment Model	Equipment SN	Firmware Version	Site Info	Temperature	Power Saving	700L Uplink	Link Alarm
>	1	●	dLRU-G2-17192325	072104020C	23.4.1.11_Everon_6000_DLRUM_P2.V02.00.04.06	150	44°C	15OFF	N/A	15●
>	5	●	dLRU-G2-678	07211311CB	23.4.1.11_Everon_6000_DLRUL_P2.V02.00.04.03	150	45°C	15OFF	N/A	15●
>	7	●	dLRU-G2-19	20180427	23.4.1.11_Everon_6000_DLRUF_P2.V01.00.01.68	150	52°C	15OFF	N/A	15●

Figure 198. RU Overview

Each alarm is defined as follows:

- Link Alarm
- Digital HW ALM
- Temperature Alarm
- Low Transmission Alarm
- Overflow Alarm
- DC Voltage Lower Alarm
- Over Power Consumption Alarm
- Firmware Mismatch Alarm

Drag the scroll bar to view more information (e.g., Temperature) .



CORNING EVERON™ 6000 SOLUTIONS

DEU ID 11
RU Number 3

Overview RU1 RU5 RU7

Batch

More	RU ID	Equipment Alarm	Equipment Model	Equipment SN	Firmware Version	Site Info	Temperature	Power Saving	700L Uplink	Link Alarm
>	1	●	dLRU-G2-17192325	072104020C	23.4.1.11_Everon_6000_DLRUM_P2.V02.00.04.06	150	44°C	15OFF	N/A	15●
>	5	●	dLRU-G2-678	07211311CB	23.4.1.11_Everon_6000_DLRUL_P2.V02.00.04.03	150	45°C	15OFF	N/A	15●
>	7	●	dLRU-G2-19	20180427	23.4.1.11_Everon_6000_DLRUF_P2.V01.00.01.68	150	52°C	15OFF	N/A	15●

Name	Value
Digital HW Alarm	15●
Temperature Alarm	15●
Low Transmission Alarm	15●
Overflow Alarm	15●
Firmware Mismatch Alarm	15●

Figure 199. RU Overview More

5.5.2 dLRU Parameter config

5.5.2.1 RF info

CORNING EVERON™ 6000 SOLUTIONS

Equipment Model: dLRU-G2-17192325
 Equipment SN: 072104020C
 Firmware Version: 23.4.1.11_Everon_6000_DLRUM_P2.V02.00.04.06
 Hardware Version: 3
 Site Info: 0

RF Info

CH	Band	RF Switch	Rating Power	DL Pwr_out	UL Pwr_in	DL ATTN	UL ATTN	Work Mode	AGC Value	Service Off Alarm	MIMO
1	PCS	ON	20dBm	<-8.0dBm	-69.2dBm	0dB	0dB	N/A	0dB	ON	MIMO1
2	PCS	ON	20dBm	<-8.0dBm	-81.3dBm	0dB	0dB	N/A	0dB	ON	MIMO2
3	EAWS	ON	20dBm	<-8.0dBm	-87.0dBm	0dB	0dB	N/A	0dB	ON	MIMO1
4	EAWS	ON	20dBm	<-8.0dBm	-87.0dBm	0dB	0dB	N/A	0dB	ON	MIMO2
5	WCS	ON	18dBm	<-10.0dBm	-93.0dBm	0dB	0dB	N/A	0dB	ON	MIMO1
6	WCS	ON	18dBm	<-10.0dBm	-92.5dBm	0dB	0dB	N/A	0dB	ON	MIMO2
7	2500	ON	20dBm	<-8.0dBm	-81.0dBm	0dB	0dB	Normal	0dB	ON	MIMO1
8	2500	ON	20dBm	<-8.0dBm	-81.3dBm	0dB	0dB	Normal	0dB	ON	MIMO2

Figure 200.RF Info

Click RU RU1 to read various RF information of RU, as shown in Figure 201.

SN	Parameter	Range	Recommend value
1	RF Switch	ON/OFF	ON
2	DL ATTN	(0~20)	10
3	UL ATTN	(0~20)	10
4	Work Mode	Normal DL force uplink UL force uplink	Normal
5	Service off alarm	Disable Enable	Enable
6	MIMO	MIMO 1 MIMO 2	

Figure 201. RF info

5.5.2.2 Carrier info

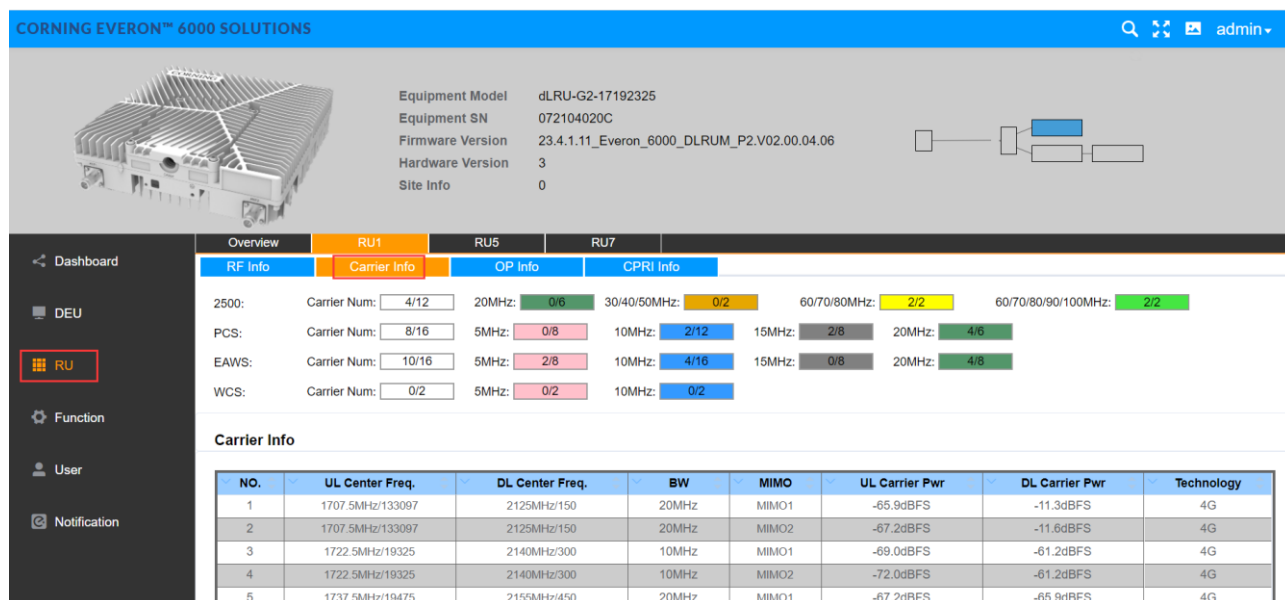


Figure 202.RU Carrier Info

5.5.2.3 OP info

The OP Info list box displays the current optical port connection status and information reading volume of the device.

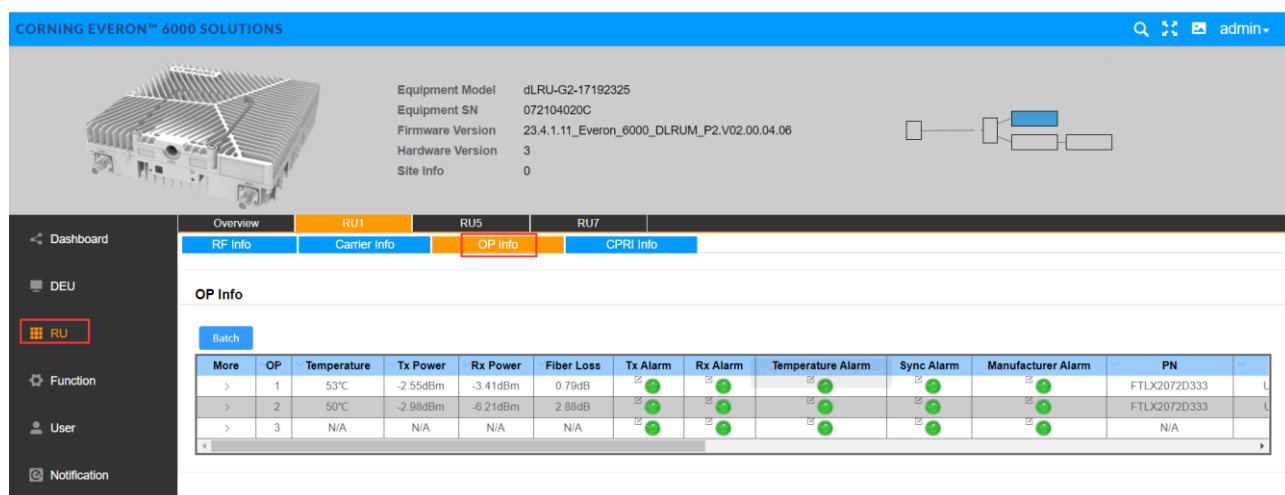


Figure 203.RU OP Info

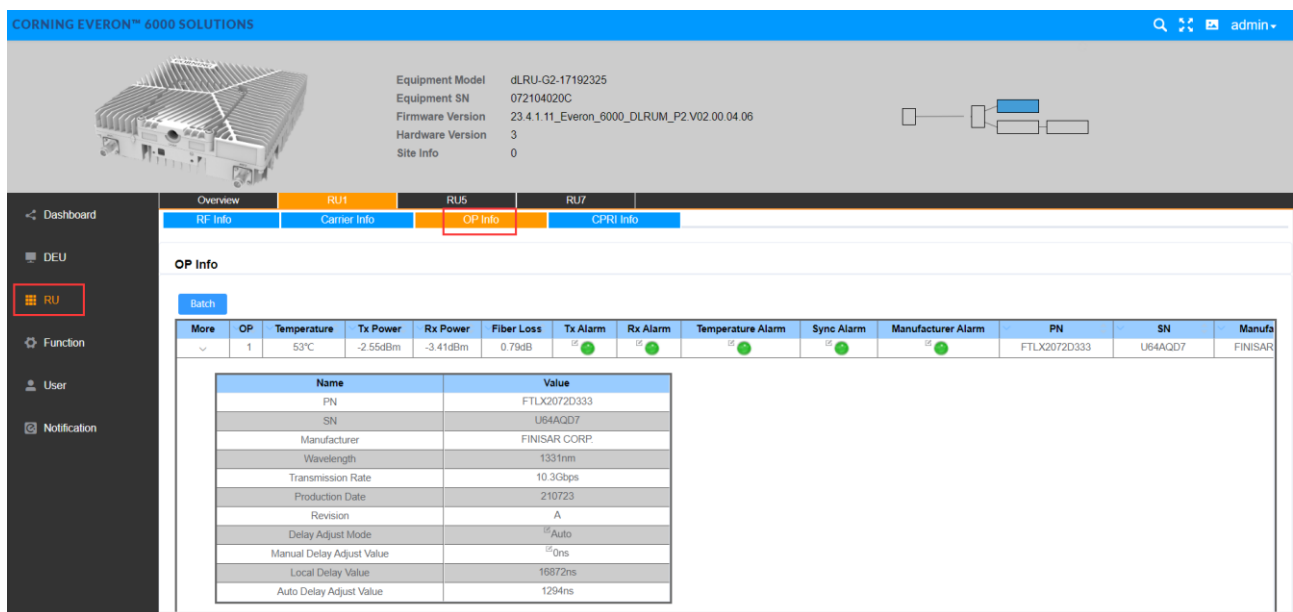


Figure 204.RU OP Info More

5.5.2.4 CPRI Info

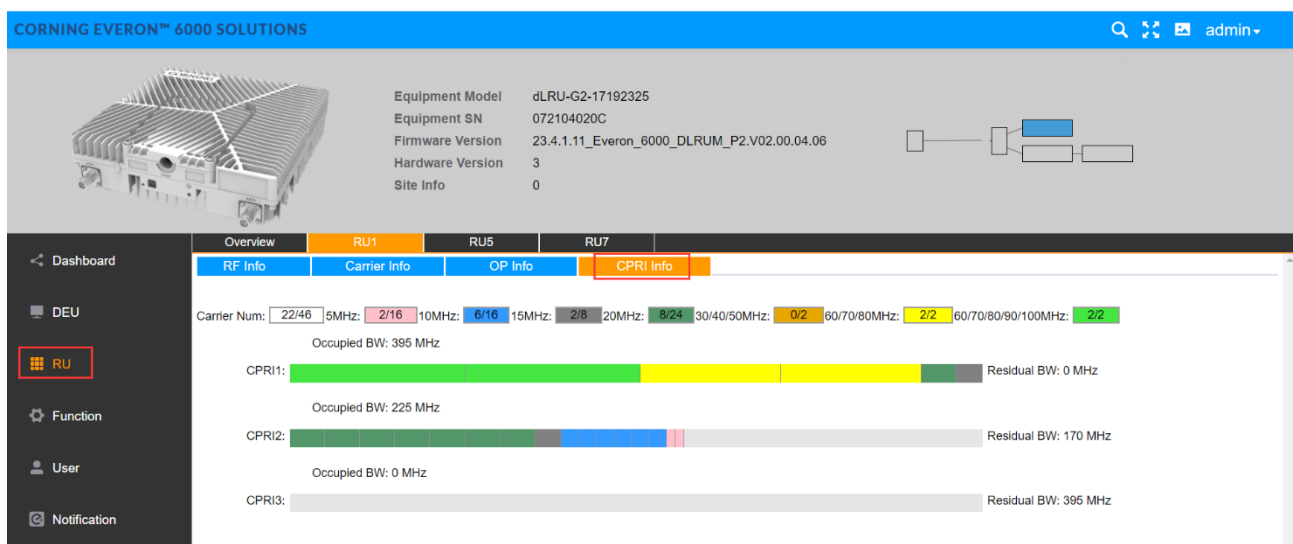


Figure 205. RU-CPRI Info

5.6.1 RU -> Overview & Alarm

5.6.1 RU -> Overview & Alarm

Click RU to enter the Overview interface and view the current status of RU alarms (e.g., Link Alarm).

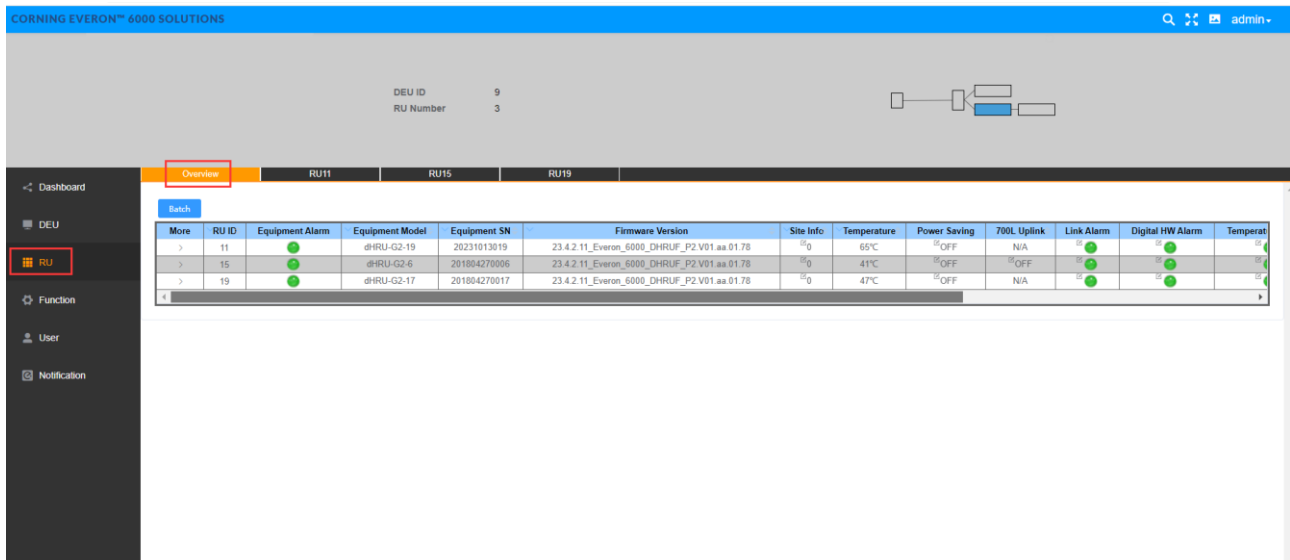


Figure 206. RU—Overview

Each alarm is defined as follows:

- Link Alarm
- Digital HW ALM
- Temperature Alarm
- Low Transmission Alarm
- Overflow Alarm
- Firmware Mismatch Alarm

Drag the scroll bar to view more information (e.g., Low Transmission Alarm)..

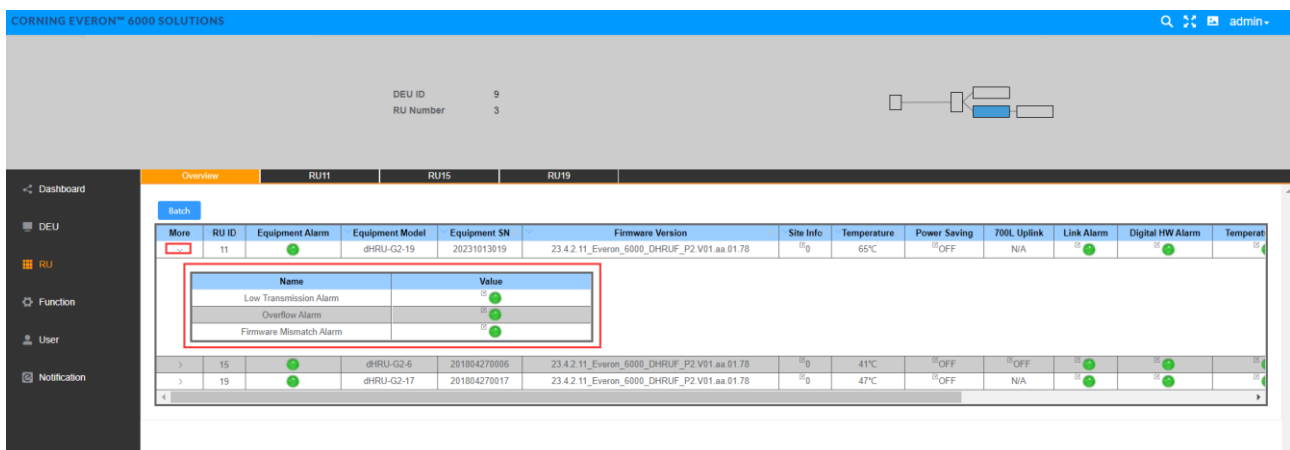


Figure 207. RU-overview—More

5.6.1 dHRU Parameter config

5.6.1.1 RF info

Click RF Info to read various RF information of RU.

Equipment Model: dHRU-G2-19
Equipment SN: 20231013019
Firmware Version: 23.4.2.11_Everon_6000_DHRUF_P2.V01.aa.01.78
Hardware Version: 0
Site Info: 0

CH	Band	RF Switch	Rating Power	DL Pwr_out	UL Pwr_in	DL ATTN	UL ATTN	Work Mode	AGC Value	DL VSWR	DL VSWR Alarm	Antenna Sense Alarm	PA Alarm	Service Off Alarm	MIMO
1	PCS	ON	43dBm	42.2dBm	-89.2dBm	10dB	10dB	N/A	0dB	1.3	ON	ON	ON	ON	MIMO1
2	PCS	ON	43dBm	40.1dBm	-85.9dBm	10dB	10dB	N/A	0dB	1.2	ON	ON	ON	ON	MIMO2

Figure 208. RF Info

SN	RU parameter	Range	Default values	Remark
1	RF Switch	ON/OFF	ON	
2	DL ATTN	(0~20) dB	10 dB	0dB (max power)
3	UL ATTN	(0~20) dB	10 dB	0dB (max power)
4	Work Mode	Normal DL force uplink UL force uplink	Normal	
5	Service Off Alarm	Enable/Disable	Enable	
6	MIMO	MIMO1/MIMO2	MIMO1	
6	Delay adjust mode	Auto/Manual	Auto	
7	Manual Delay Adjust Value	0~50000ns	0ns	
8	DL VSWR THR	1.5/2.0/2.5	2.0	

5.6.1.2 Carrier info

Equipment Model

dHRU-G2-19

Equipment SN

20231013019

Firmware Version

23.4.2.11_Everon_6000_DHRUF_P2.V01.aa.01.78

Hardware Version

0

Site Info

0

PCS:

Carrier Num: 8/16

5MHz: 0/16

10MHz: 2/16

15/20MHz: 6/16

Carrier Info

NO.	UL Center Freq.	DL Center Freq.	BW	MIMO	UL Carrier Pwr	DL Carrier Pwr	Technology
11	1860MHz/18700	1952.5MHz/825	20MHz	MIMO1	-69.0dBFS	-68.0dBFS	4G
12	1860MHz/18700	1952.5MHz/825	20MHz	MIMO2	-70.4dBFS	-69.3dBFS	4G
13	1875MHz/18850	1967.5MHz/975	10MHz	MIMO1	-16.1dBFS	-14.8dBFS	4G
14	1875MHz/18850	1967.5MHz/975	10MHz	MIMO2	-70.3dBFS	-16.7dBFS	4G
15	1890MHz/19000	1982.5MHz/1125	20MHz	MIMO1	-67.2dBFS	-67.9dBFS	4G
16	1890MHz/19000	1982.5MHz/1125	20MHz	MIMO2	-70.4dBFS	-69.3dBFS	4G
17	1907.5MHz/19175	2000MHz/68386	15MHz	MIMO1	-74.2dBFS	-70.6dBFS	4G
18	1907.5MHz/19175	2000MHz/68386	15MHz	MIMO2	-74.1dBFS	-71.9dBFS	4G

Figure 209. Carrier Info

5.6.1.3 OP info

The OP Info list box displays the current optical port connection status and information reading volume of the device.

Equipment Model

dHRU-G2-19

Equipment SN

20231013019

Firmware Version

23.4.2.11_Everon_6000_DHRUF_P2.V01.aa.01.78

Hardware Version

0

Site Info

0

PCS:

Carrier Num: 8/16

5MHz: 0/16

10MHz: 2/16

15/20MHz: 6/16

OP Info

Batch

More	OP	Temperature	Tx Power	Rx Power	Fiber Loss	Tx Alarm	Rx Alarm	Temperature Alarm	Sync Alarm	Manufacturer Alarm	PN
>	1	64°C	-3.51dBm	-2.73dBm	0dB						FTLX2072D327

Figure 210. OP Info

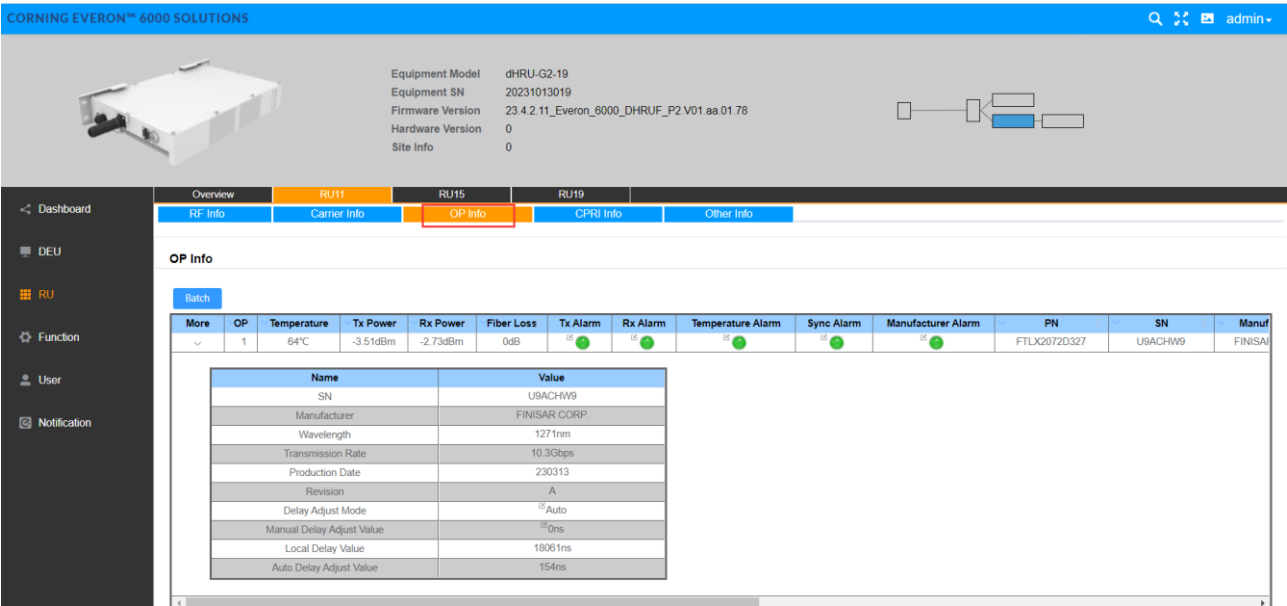


Figure 211. OP Info--More

5.6.1.4 CPRI Info

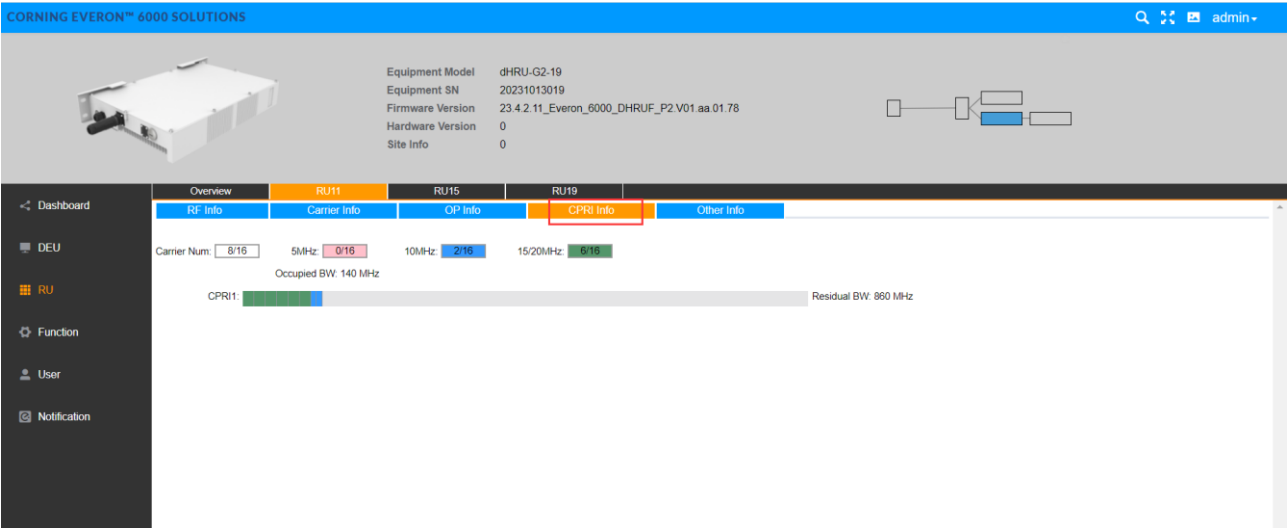
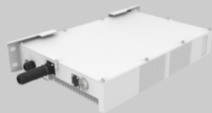


Figure 212. CPRI Info

5.6.1.5 Other Info

CORNING EVERON™ 6000 SOLUTIONS



Equipment Model

Equipment SN

Firmware Version

Hardware Version

Site Info

dHRU-G2-19

20231013019

23.4.2.11_Everon_6000_DHRUF_P2.V01.aa.01.78

0

0



Dashboard

DEU

RU

Function

User

Notification

Overview

RU11

RU15

RU19

RF Info

Carrier Info

OP Info

CPRI Info

Other Info

Other Info

Name	Value
DL VSWR THR	2.0

Figure 213. Other Info

5.7 System Downlink/Uplink Config

5.7.1 Downlink Output Power Config (Power Sharing Process)

Step 1. Set Carrier Info in Chapter 5.3.1.3, including the operator info, carrier info. The DL ATTN can be set to default value in power sharing config.

The screenshot shows the CORNING EVERON™ 6000 SOLUTIONS web interface. The top header includes the product name, a search icon, and a user profile (admin). Below the header, there's a section for DEU ID and other system information. The main navigation sidebar on the left includes Dashboard, DEU (highlighted), RU, Function, User, and Notification. The main content area has tabs for Alarm Info, OP Info, Carrier Info, and Power Sharing (selected). The Power Sharing tab displays a 'Calculate & Set DL ATTN' button and a table for configuring power sharing parameters.

Band	Assigned	Unassigned	Operator	Number of Carrier	Assign Percent	Assign Type
EAWS	100%	0%	ATT	5	100 %	Density
1900B	100%	0%	ATT	4	100 %	Density
WCS	100%	0%	ATT	1	100 %	Density
2500	100%	0%	ATT	2	100 %	Density
700	100%	0%	ATT	3	100 %	Density
ESMR+850	100%	0%	ATT	2	100 %	Density
600	100%	0%	ATT	1	50 %	Density
			VWZ1	1	50 %	Density

Step 2. Set the power sharing parameters in chapter 5.3.1.4

- Assign each operator's power share (percentage).
- Select the carrier's power assignment mode for each operator (Density /Even).
Density mode: power assignment based on carrier bandwidth.
Even mode: power assignment based on the number of carriers.
- Config MIMO 1 and MIMO 2 channel.
- Select the calculate button to active the value, then the DL ATT value in Step 1 will be automatically calculated.
- Select the 'Power Share Lock' button to lock the ATT config.
- The system will automatically emit the output target power based on power sharing configuration if the DCU input power is within the operation range.

Step 3. Set RIU ATTN to meet DCU input power range according to chapter 5.1.2

- Set RIU high gain mode (ON/OFF) and DL ATTN to suitable value to meet DCU input operation range.

Input	Config and result								
Base station	RIU				DCU			dxRU	
Base station input power to RIU(PwrB)	RIU high gain mode switch	RIU DL_ATT (manual)	RIU gain	RIU output TO DCU	DCU input power	DCU high gain mode switch	DCU DL_ATT (AGC auto control)	corresponding dxRU baseband power	dLRU output power
37dBm	OFF	14	-30-(14) =-44dB	-7	-7	OFF	0 dB	-14dBfs	Rated power
23~37dBm	OFF	(PwrB-23)	-30dB-RIU DL_ATT	-7	-7	OFF	0dB	-14dBfs	Rated power
23dBm	OFF	0	-30dB	-7	-7	OFF	0dB	-14dBfs	Rated power
12~23dBm	OFF	0	-30dB	PwrB - 30	PwrB - 30	ON	PwrB – 30- (-19) = PwrB-11	-14dBfs	Rated power
12dBm	OFF	0	-30dB	-18dBm	-18dBm	ON	1dB	-14dBfs	Rated power
11dBm	ON	11dB	-7dB-11dB =-18dB	-7dBm	-7dBm	OFF	0dB	-14dBfs	Rated power
0-11dBm	ON	PwrB	-7dB- PwrB	-7dBm	-7dBm	OFF	0dB	-14dBfs	Rated power
0 dBm	ON	0	-7dB	-7dBm	-7dBm	OFF	0dB	-14dBfs	Rated power
-12 dBm ~0 dBm	ON	0	-7dB	-7 dBm + PwrB	-7+ PwrB	ON	-7+ PwrB-(-19) =12+PwrB	-14dBfs	Rated power
-12 dBm	ON	0	-7dB	-7 dBm + -12=-19 dBm	-7+ -12=-19 dBm	ON	-7-12-(-19) =0	-14dBfs	Rated power
-12 dBm ~-15 dBm	ON	0	-7dB	-7+ PwrB	-7+ PwrB	ON	0dB	=-14dBfs-(-12- PwrB)	Rated power-(-12- PwrB)
-15 dBm	ON	0	-7dB	-22dBm	-22dBm	ON	0dB	=-14dBfs-(-12- (-15))=-17dBfs	Rated power-3dB

- The DCU input power target is -7dBm, and the RIU suggested input power range is 10~37dBm, so that please config RIU high gain mode and DL ATT according to the input power.

Input	Config and result								
Base station	RIU				DCU			dxRU	
Base station input power to RIU(PwrB)	RIU high gain mode switch	RIU DL_ATT (manual)	RIU gain	RIU output TO dcu	DCU input power	DCU high gain mode switch	DCU DL_ATT (AGC auto control)	corresponding dxRU baseband power	dLRU output power
37dBm	OFF	14	-30-(14) =-44dB	-7	-7	OFF	0 dB	-14dBfs	Rated power
23~37dBm	OFF	(PwrB-23)	-30dB-RIU DL_ATT	-7	-7	OFF	0dB	-14dBfs	Rated power
23dBm	OFF	0	-30dB	-7	-7	OFF	0dB	-14dBfs	Rated power
12~23dBm	OFF	0	-30dB	PwrB - 30	PwrB - 30	ON	PwrB - 30-(-19) = PwrB-11	-14dBfs	Rated power
12dBm	OFF	0	-30dB	-18dBm	-18dBm	ON	1dB	-14dBfs	Rated power
11dBm	ON	11dB	-7dB-11dB =-18dB	-7dBm	-7dBm	OFF	0dB	-14dBfs	Rated power
0-11dBm	ON	PwrB	-7dB-PwrB	-7dBm	-7dBm	OFF	0dB	-14dBfs	Rated power
0 dBm	ON	0	-7dB	-7dBm	-7dBm	OFF	0dB	-14dBfs	Rated power
-12 dBm ~0 dBm	ON	0	-7dB	-7 dBm + PwrB	-7+ PwrB	ON	-7+ PwrB-(-19) =12+PwrB	-14dBfs	Rated power
-12 dBm	ON	0	-7dB	-7 dBm + -12=-19 dBm	-7+ -12=-19 dBm	ON	-7-12-(-19) =0	-14dBfs	Rated power
-12 dBm ~-15 dBm	ON	0	-7dB	-7+ PwrB	-7+ PwrB	ON	0dB	=-14dBfs-(-12-PwrB)	Rated power-(-12- PwrB)
-15 dBm	ON	0	-7dB	-22dBm	-22dBm	ON	0dB	=-14dBfs-(-12-(-15))=-17dBfs	Rated power-3dB

In this case, please config the DCU to the following config. The detailed config is listed in chapter 5.2.2

High Gain mode = OFF

DCU DL ATT changes from 20dB to 0dB after antenna connection.

Note: PwrB refers to the base station input power to RIU

5.7.2 Uplink Gain Config

The Total Uplink Gain = -2dB - RIU UL ATT - DCU UL ATT - RU UL ATT

Step 1. Config the RIU UL ATT according to chapter 5.1.2

Step 2. Config the DCU UL ATT according to chapter 5.2.2.2

Step 3. Config the RU UL ATT according to chapter 5.4.2.2

The range of each ATT is listed as below.

SN	ATT Range(dB)	Default Value(dB)	Config Description
1	0~25	20	chapter 2.1.2
2	0~20	20	chapter 2.2.2.2
3	0~20	10	chapter 2.4.2.2