



CORNING DHRU-G2-7 HRU Digital High Power Amplifier Module User Guide

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CORNING DHRU-G2-7 HRU Digital High Power Amplifier Module

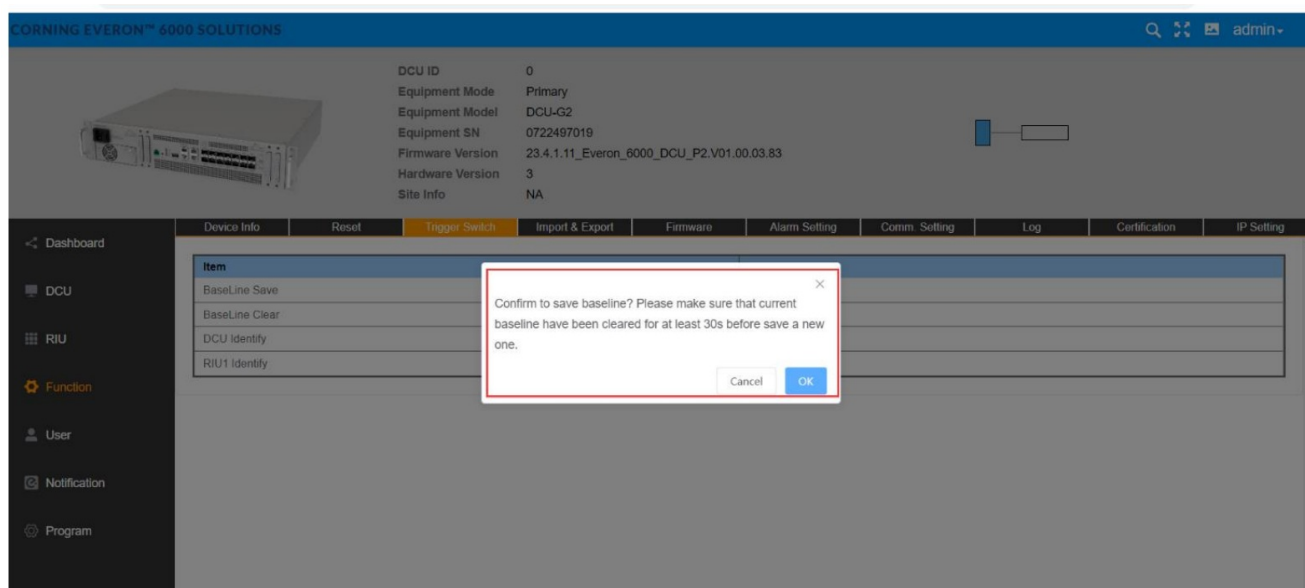


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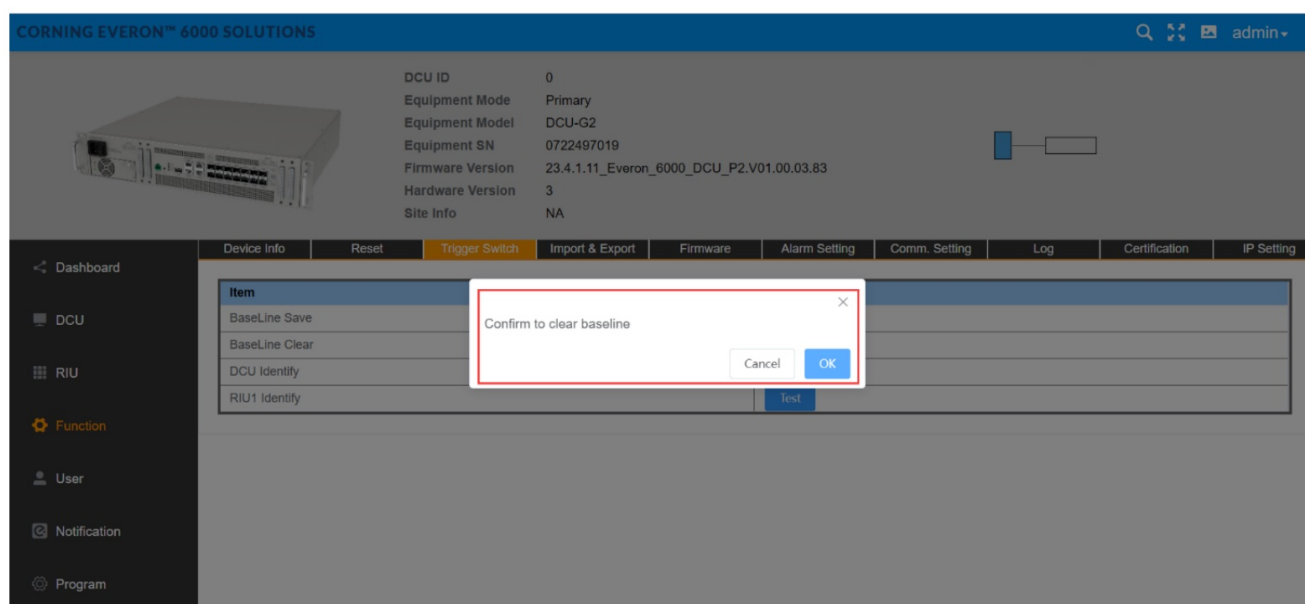
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Function

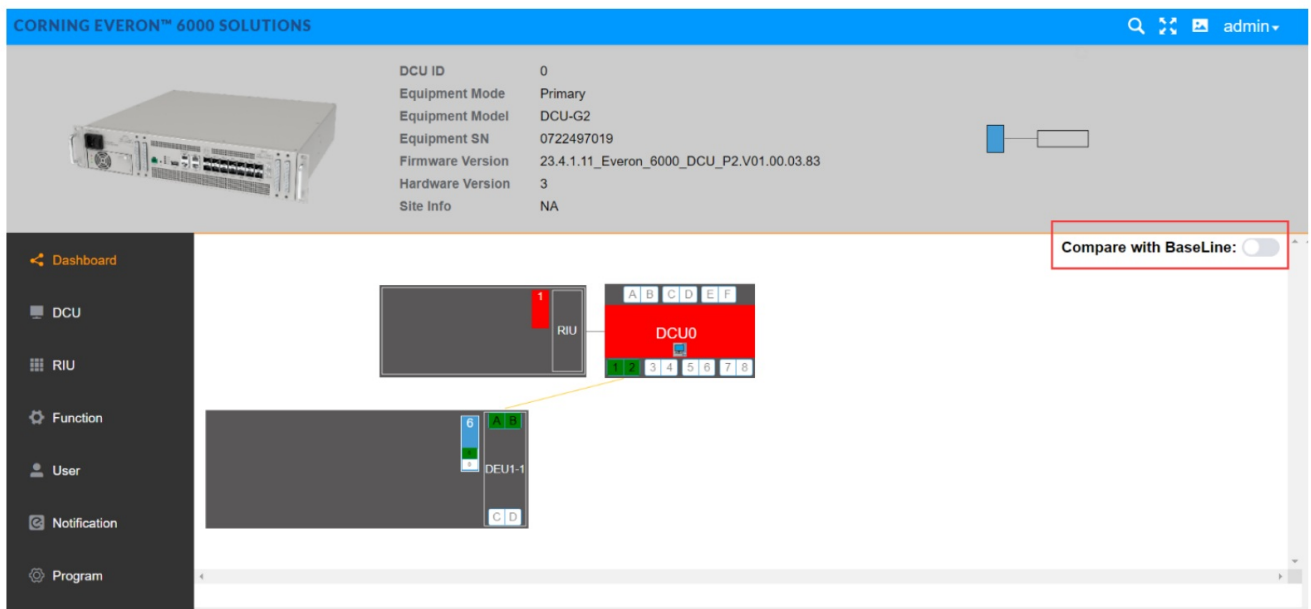
- **Figure 126. DCU—Function—Trigger Switch—Baseline Save Confirmation**



- **Figure 127. DCU—Function—Trigger Switch—Baseline Clear Confirmation**



- **Figure 128. DCU—Dashboard— Compare with Baseline**

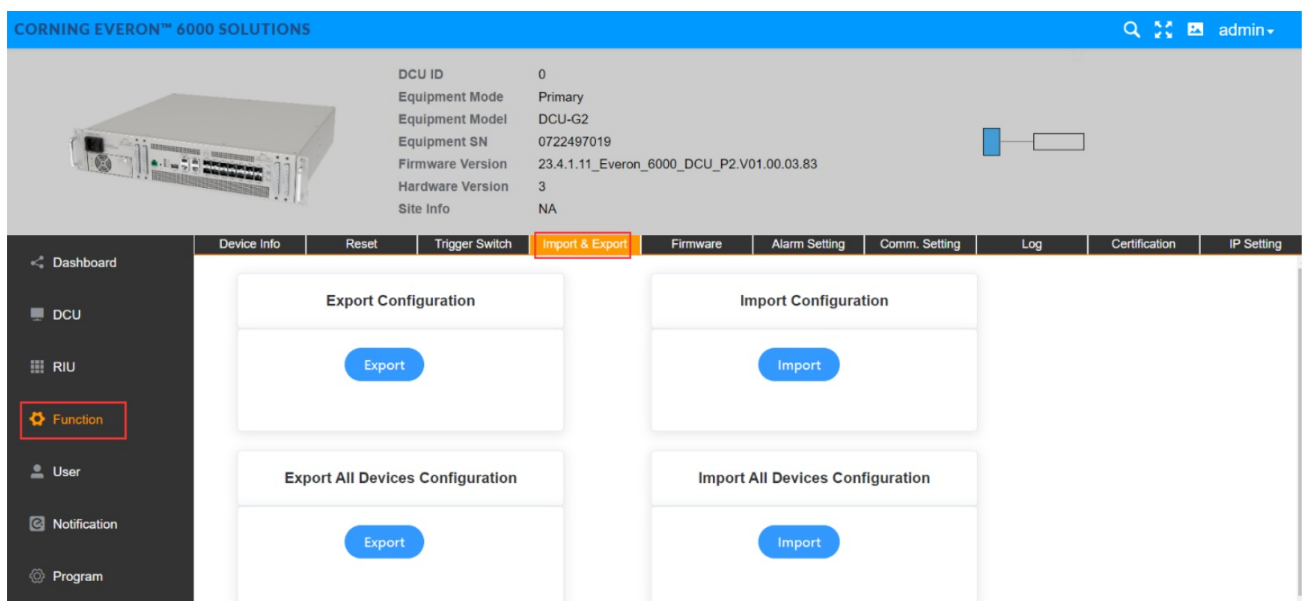


Instruction For Use

Import & Export

The user can import and export DCU configuration by clicking Function Import & Export, as shown in the following figure.

- **Figure 129 DCU Function Import & Export**



Firmware

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

- **Figure 130.DCU Function Firmware**

CORNING EVERON™ 6000 SOLUTIONS

admin

DCU ID: 0
Equipment Mode: Primary
Equipment Model: DCU-G2
Equipment SN: 0722497019
Firmware Version: 23.4.1.11_Everon_6000_DCU_P2.V01.00.03.83
Hardware Version: 3
Site Info: NA

Dashboard | DCU | RIU | **Function** | User | Notification | Program

Device Info | Reset | Trigger Switch | Import & Export | **Firmware** | Alarm Setting | Comm. Setting | Log | Certification | IP Setting

DCU Firmware Info

More	Name	Firmware Version	Boot Version	FPGA Version
>	Active	23.4.1.11_Everon_6000_DCU_P2.V01.00.03.83	23.4.1.11_Everon_6000_DCU_P2.V01.00.00.10	23.4.1.11_Everon_6000_DCU_P2.V01.00.00.00
>	InActive	Everon_6000_DCU_P2.V01.00.03.67	Everon_6000_DCU_P2.V01.00.00.07	Everon_6000_DCU_P2.V01.00.00.00

System Firmware Info

Name	Value
RIU-TDD Version	23.4.1.11_Everon_6000_RIU_P2.V01.00.00.11
RIU-FDD Firmware Version	23.4.1.11_Everon_6000_RIU_P2.V02.00.00.05
DCU Firmware Version	23.4.1.11_Everon_6000_DCU_P2.V01.00.03.83
DEU-25 Firmware Version	23.4.1.11_Everon_6000_DEU_P2.V01.00.03.87

Two upgrade modes are supported by 5G digital DAS products of D430 series of the system software of all NE: centralized upgrade and decentralized upgrade. The settings of the two modes can be configured in Control Switch.

• Figure 131. Firmware Upgrade Configuration

CORNING EVERON™ 6000 SOLUTIONS

admin

DCU ID: 0
Equipment Mode: Primary
Equipment Model: DCU-G2
Equipment SN: 0722497019
Firmware Version: 23.4.1.11_Everon_6000_DCU_P2.V01.00.03.83
Hardware Version: 3
Site Info: NA

Dashboard | DCU | RIU | **Function** | User | Notification | Program

Device Info | Reset | Trigger Switch | Import & Export | **Firmware** | Alarm Setting | Comm. Setting | Log | Certification | IP Setting

DMRU-FDD Firmware Version: 23.4.1.11_Everon_6000_DMRUF_P2.V02.00.00.46
DEU-10G Firmware Version: 23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38
dLRU-M Firmware Version: 23.4.1.11_Everon_6000_dLRUM_P2.V02.00.04.06
dLRU-L Firmware Version: 23.4.1.11_Everon_6000_dLRUL_P2.V02.00.04.03
dHRU-FDD Firmware Version: 23.4.1.11_Everon_6000_dHRUF_P2.V01.00.01.68
System Version: 23.4.1.11_Everon_6000_SYSTEM_P2.V01.04.03.38

Firmware Version	Centralized Upgrade Switch	Progress	File
23.4.1.11_Everon_6000_DCU_P2.V01.00.03.83	ON	0%	Scan


[Upgrade](#)

- Decentralized upgrade: the Control Switch is OFF and only the software of the current DCU unit can be upgraded in this mode. The steps to upgrade the software are the followings:
 - Step 1:** Click SCAN to import the software version to be upgraded.
 - Step 2:** Click Upgrade. When the progress of downloading the software to the device is 100% and FINISH is prompted, the software is successfully downloaded.
 - Step 3:** After the device is reset, the software will be upgraded automatically.
- Centralize upgrade: the Control Switch is ON. The system software of seven NE (RIU, DCU, DEU, dLRU-2.5, dLRU-3.5, dMRU-2.5, dMRU-3.5) in the 5G digital DAS products will be stored after they are imported into the internal storage by the users. All the slave NE (slave DCU, DEU, dLRU) connected to this seven NE will automatically take the system software to be upgraded independently.

Figure 132. System Upgrade ON/OFF

CORNING EVERON™ 6000 SOLUTIONS

admin



DCU ID

Equipment Mode

Equipment Model

Equipment SN

Firmware Version

Hardware Version

Site Info

0

Primary

DCU-G2

0722497019

23.4.1.11_Everon_6000_DCU_P2.V01.00.03.83

3

NA

Dashboard

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User

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Import & Export

Firmware

Alarm Setting

Comm. Setting

Log

Certification

IP Setting

DEU-10G Firmware Version

DLRU-M Firmware Version

DLRU-L Firmware Version

DHRU-FDD Firmware Version

System Version

23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38

23.4.1.11_Everon_6000_DLRUM_P2.V02.00.04.06

23.4.1.11_Everon_6000_DLRUL_P2.V02.00.04.03

23.4.1.11_Everon_6000_DHRUF_P2.V01.00.01.68

23.4.1.11_Everon_6000_SYSTEM_P2.V01.04.03.38

Firmware Version

Centralized Upgrade Switch

Progress

File

23.4.1.11_Everon_6000_DCU_P2.V01.00.03.83

ON

0%

Scan

OFF

ON


Alarm Setting

Through Function Alarm Setting, setting the alarm duration can be achieved. When it is set to 1~253, it shows alarm duration, with the unit of 10s. Setting to 254 indicates an immediate level alarm; Set to 0 and the alarm will not occur until 3 minutes later.

• Figure 133. DCU Function Alarm Setting Alarm Detect Duration

CORNING EVERON™ 6000 SOLUTIONS

admin



DCU ID

Equipment Mode

Equipment Model

Equipment SN

Firmware Version

Hardware Version

Site Info

0

Primary

DCU-G2

0722497019

23.4.1.11_Everon_6000_DCU_P2.V01.00.03.83

3

NA

Dashboard

DCU

RIU

Function

User

Notification

Program

Device Info

Reset

Trigger Switch

Import & Export

Firmware

Alarm Setting

Comm. Setting

Log

Certification

IP Setting

Name

Value

Alarm Detect Duration(10s)

0x10s


Comm. Setting

Click Function–Comm. Setting to set the network management communication types.

• Figure 134. DCU Function Comm. Setting

CORNING EVERON™ 6000 SOLUTIONS

admin



DCU ID0
Equipment ModePrimary
Equipment ModelDCU-G2
Equipment SN0722497019
Firmware Version23.4.1.11_Everon_6000_DCU_P2.V01.00.03.83
Hardware Version3
Site InfoNA

Device Info

Reset

Trigger Switch

Import & Export

Firmware

Alarm Setting

Comm. Setting

Log

Certification

IP Setting

Dashboard

DCU

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Program

Communication Types

☐ Ethernet
☒ SNMP

Snmp Version

☒ V2
☐ V3

Name	Value
SNMP IP Type	IPv4
Trap IP	
Trap Port	162
Port Num	161
Read Community	NA
Write Community	NA


Log

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

• Figure 135.DCU—Function— Log

CORNING EVERON™ 6000 SOLUTIONS

admin



DCU ID0
Equipment ModePrimary
Equipment ModelDCU-G2
Equipment SN0722497019
Firmware Version23.4.1.11_Everon_6000_DCU_P2.V01.00.03.83
Hardware Version3
Site InfoNA

Device Info

Reset

Trigger Switch

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Firmware

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Comm. Setting

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Certification

IP Setting

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DCU

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User

Notification

Program

Export Log

Export

Export Alarm Log

Export

Export Setting Log

Export

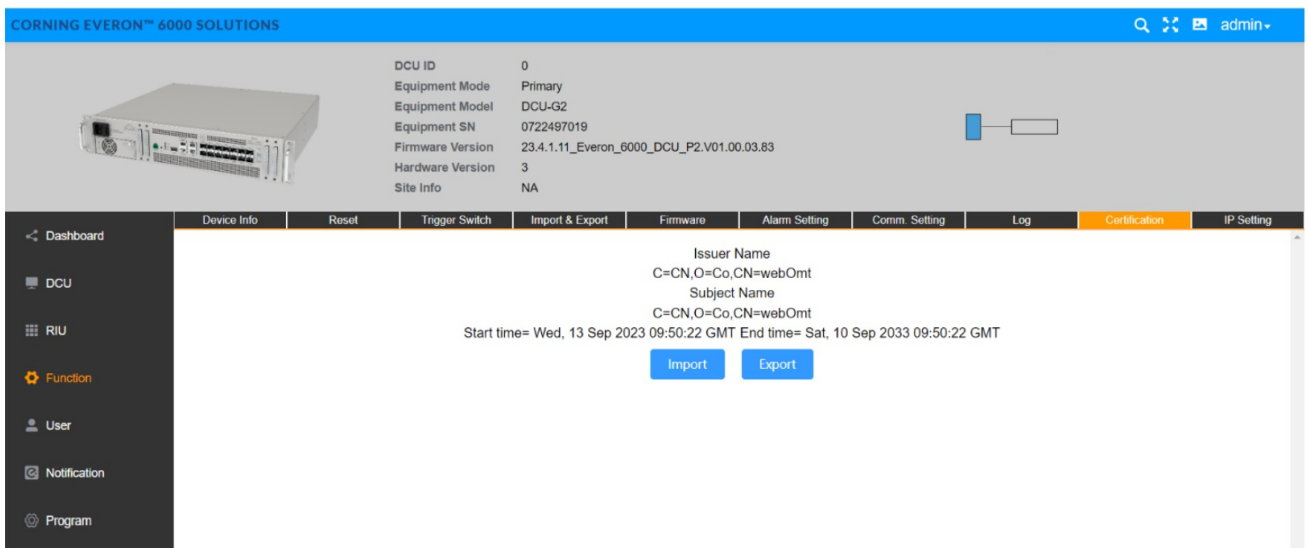
Inventory log

Export

Certification

Click Certification to view issuer name, subject name, start time and end time of DCU.

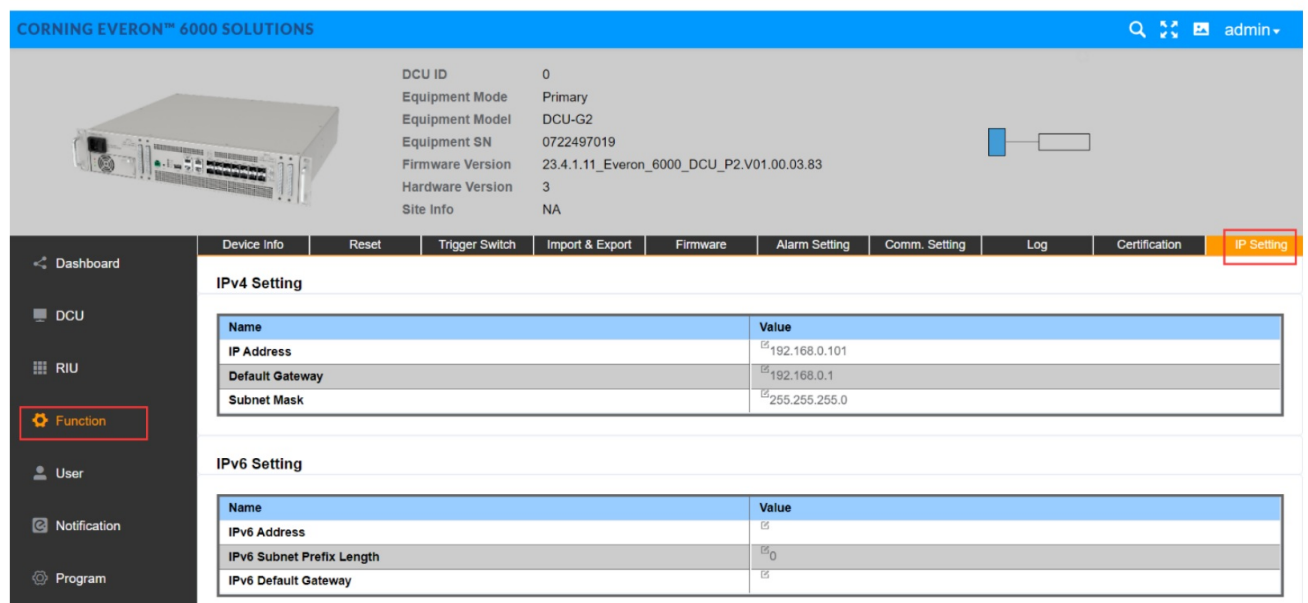
• Figure 136.DCU—Function—Certification



IP Setting

Click Function–IP Setting to set DCU IP for OMC communication.

• Figure 137.DCU Function– IP Setting

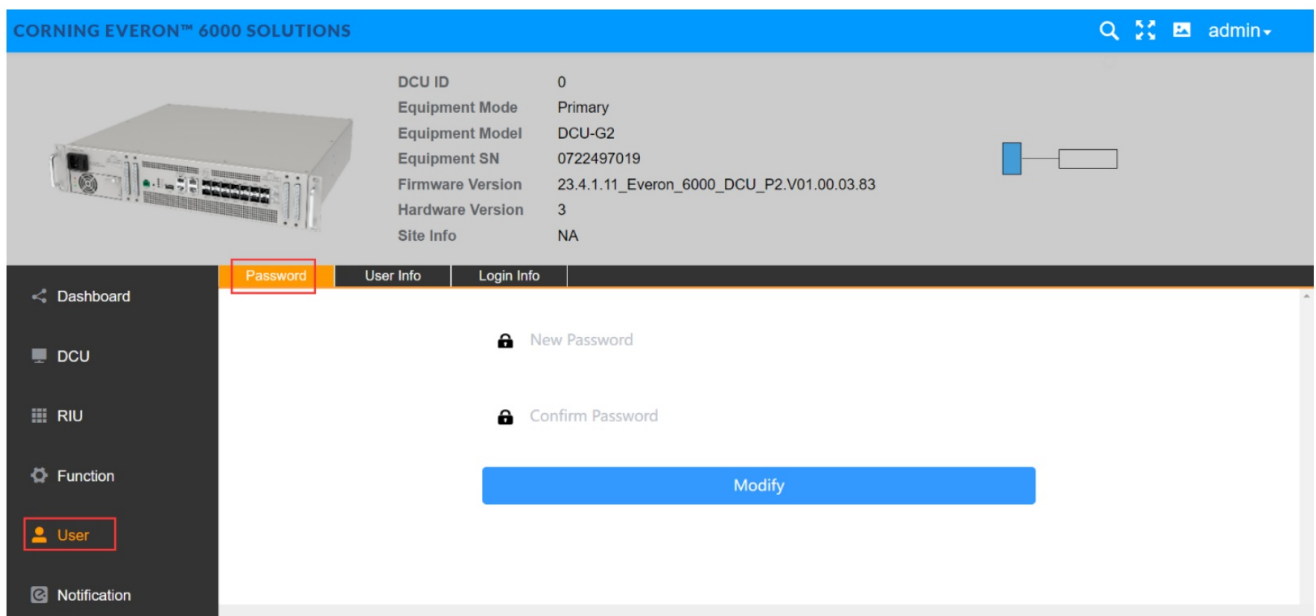


DCU -> User Info

Password

Click User->Password to reset the DCU password which should include capital and lower-case letters and 12 digits in length.

• Figure 138. DCU User Password



The rules for setting passwords are as follows:

1. Default account and password at the first access: account/password= admin/admin
2. Need to change the password after the first access
3. Password restriction:
 - The minimum user password length is 12 characters.
 - At least three combinations of numbers, uppercase, lowercase and special symbols

It has been shown in the Web GUI if we enter into the password setup/modify page as follow

.....

The minimum user password Lengel is 12 characters_

.....

.....

At least three combinations of numbers, uppercase, lowercase and special symbols

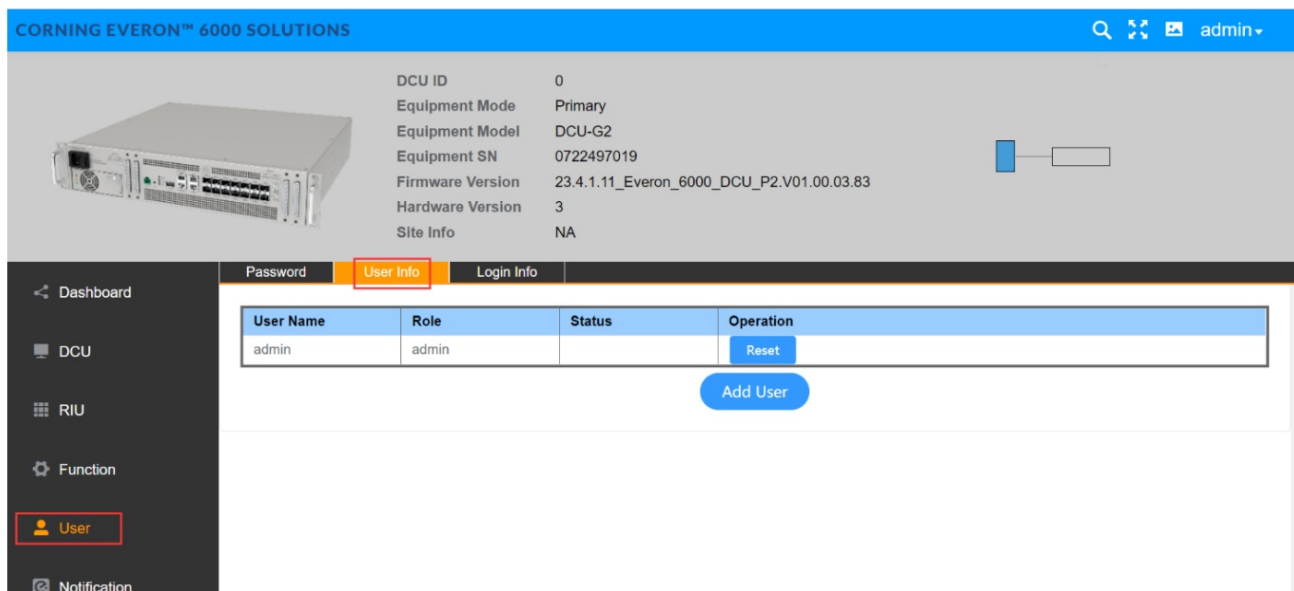
.....

Modify

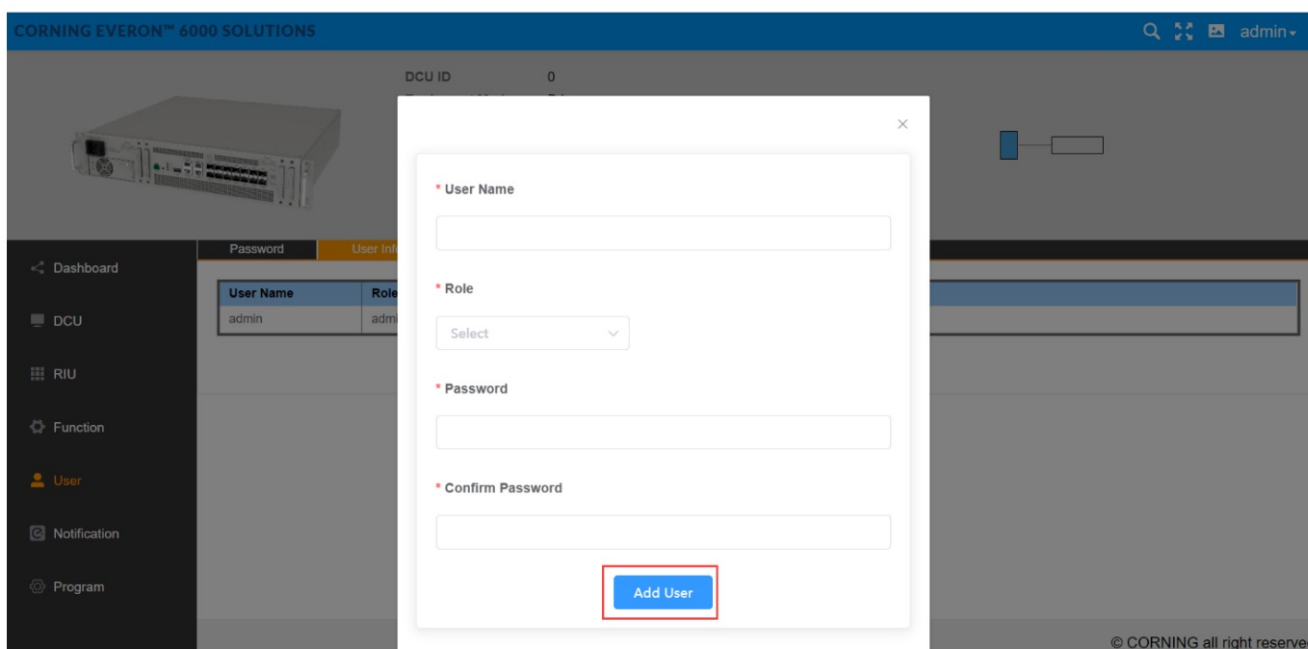
User Info

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

- **Figure 139.DCU User User Info**



• **Figure 140.DCU User User Info Add User**




Login Info

Click User->Login Info to set the max value of password input attempts. This function indicates that when a user logs in, the system will be locked if the times of password input exceeds the maximum.

• **Figure 141. DCU User Login Info**

CORNING EVERON™ 6000 SOLUTIONS



DCU ID0

Equipment ModePrimary

Equipment ModelDCU-G2

Equipment SN0722497019

Firmware Version23.4.1.11_Everon_6000_DCU_P2.V01.00.03.83

Hardware Version3

Site InfoNA

admin

Dashboard

DCU

RIU

Function

User

Notification

Program

Password

User Info


Login Info

Item	Value	Operation
Maximum Failed Login	5	Edit

Notification

• Figure 142. Notification

CORNING EVERON™ 6000 SOLUTIONS



DCU ID0

Equipment ModePrimary

Equipment ModelDCU-G2

Equipment SN0722497019

Firmware Version23.4.1.11_Everon_6000_DCU_P2.V01.00.03.83

Hardware Version3

Site InfoNA

admin

Dashboard

DCU

RIU

Function

User

Notification

Program

Notification

Type	Active Firmware Version	Non-Supported Firmware
DCU	Everon_6000_DCU_P2.V01.00.03.37	Everon_6000_DCU_P2.V01.00.02.03 Everon_6000_DCU_P2.V01.00.02.13 Everon_6000_DCU_P2.V01.00.02.37 Everon_6000_DCU_P2.V01.00.02.50 Everon_6000_DCU_P2.V01.00.02.55 Everon_6000_DCU_P2.V01.00.02.62


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

Program

The DCU ID is automatically obtained and cannot be set. The default value is 0. It is updated only when the internal DCU network is connected.

Click Program Site Management to clear the site ID of the DCU.

• Figure 143. DCU Program Site Management



DCU ID: 0

Equipment Mode: Primary


Equipment Model: DCU-G2

Equipment SN: 0722497019

Firmware Version: 23.4.1.11_Everon_6000_DCU_P2.V01.00.03.83

Hardware Version: 3

Site Info: NA



Dashboard

DCU

RIU

Function

User

Notification

Program

Site Management

Clear Site ID

Clear

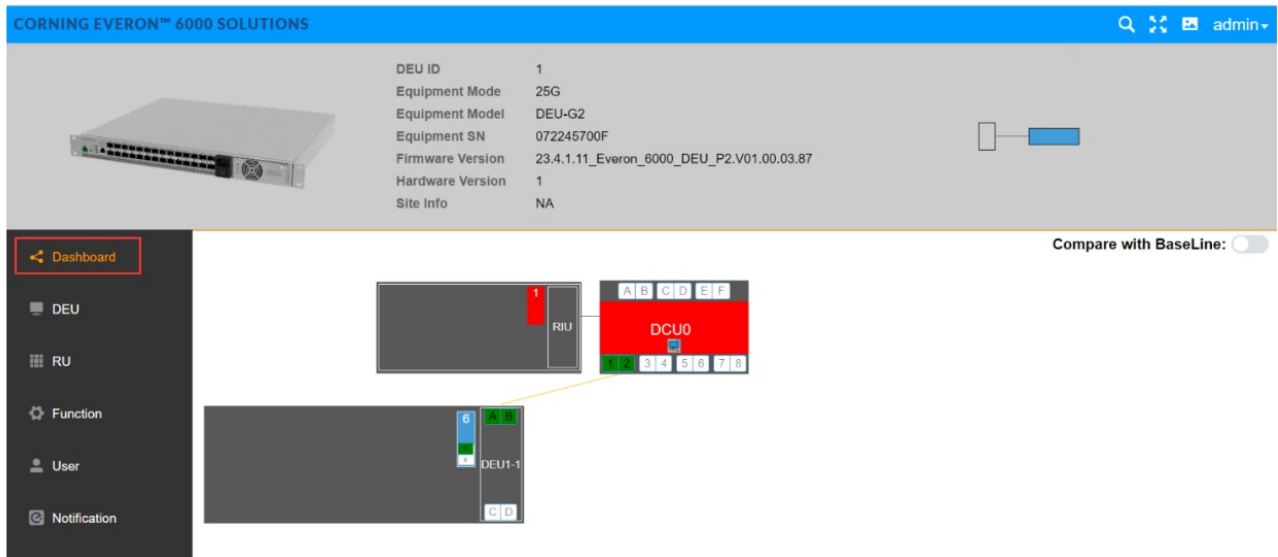
DEU Config

SN	DEU Parameters		Ranges	Default Values
1	Temperature THR		0~125°C	80°C
2	Power Temperature THR		0~125°C	80°C
3	Optical Module Temperature THR		0~125°C	80°C
4	RU Temperature TH R		0~125°C	80°C
5	Equipment mode		25G/10G	
6	Alarm Detect Duration		0-255S	0-10S
7	Switch		ON/OFF	ON
8	Technology		3G/4G/5G	3G
9	UL Center Freq. (MHz)		(2496-2690), (3450-3700), (3700-3980), (817-849), (663-698), (2305-2315), (698-798), (1850-1915), (1695-1780)	
10	DL Center Freq. (MHz)		(2496-2690), (3450-3700), (3700-3980), (862-894), (617-652), (2350-2360), (728-768), (1930-2020), (2110-2200)	
11	BW		N/A/5MHz/10MHz/15MHz/20MHz/30MHz/40MHz/50MHz/60MHz/70MHz/80MHz/90MHz/100MHz/150MHz/200MHz	
12	Operator		ATT/VZW/TMB/OTHER	
13	Power Sharing =OFF	UL ATT N	-9~20 dB	0 dB
		DL ATT N	0~20 dB	0 dB
	Power Sharing = ON	DL ATT N	calculated by Power sharing	0 dB
14	UL Delay		0~4000000 us	0.0 us
15	DL Delay		0~4000000 us	0.0 us

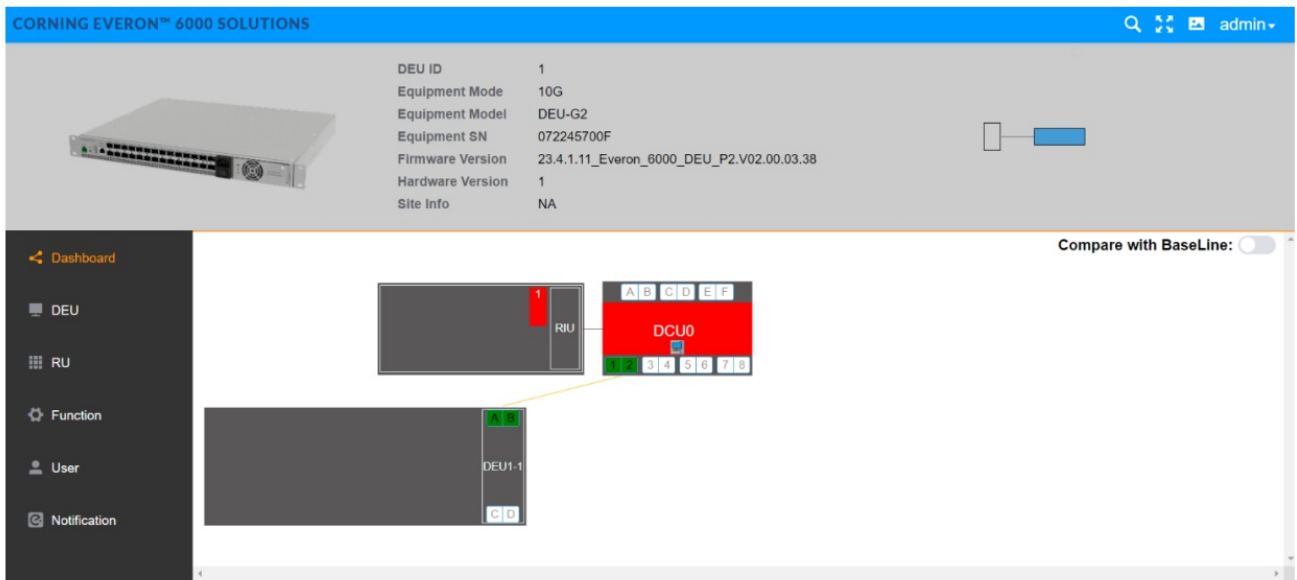
DEU -> Dashboard

Click the Dashboard navigation button to enter the dashboard page, where you can query the full topology of all the dependent NE connected to the DEU unit. And the info query and configuration management page of other NE can be switched to after clicking NE ID in the topology.

- Figure 144. DEU25G Dashboard

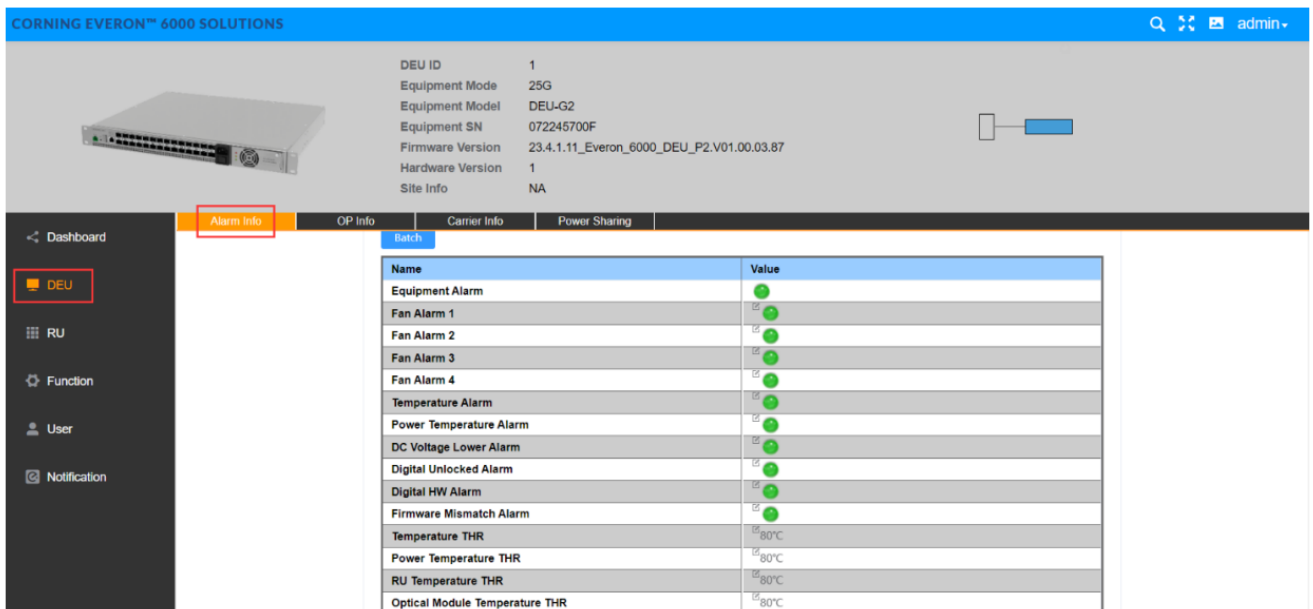


- Figure 145.DEU10G Dashboard

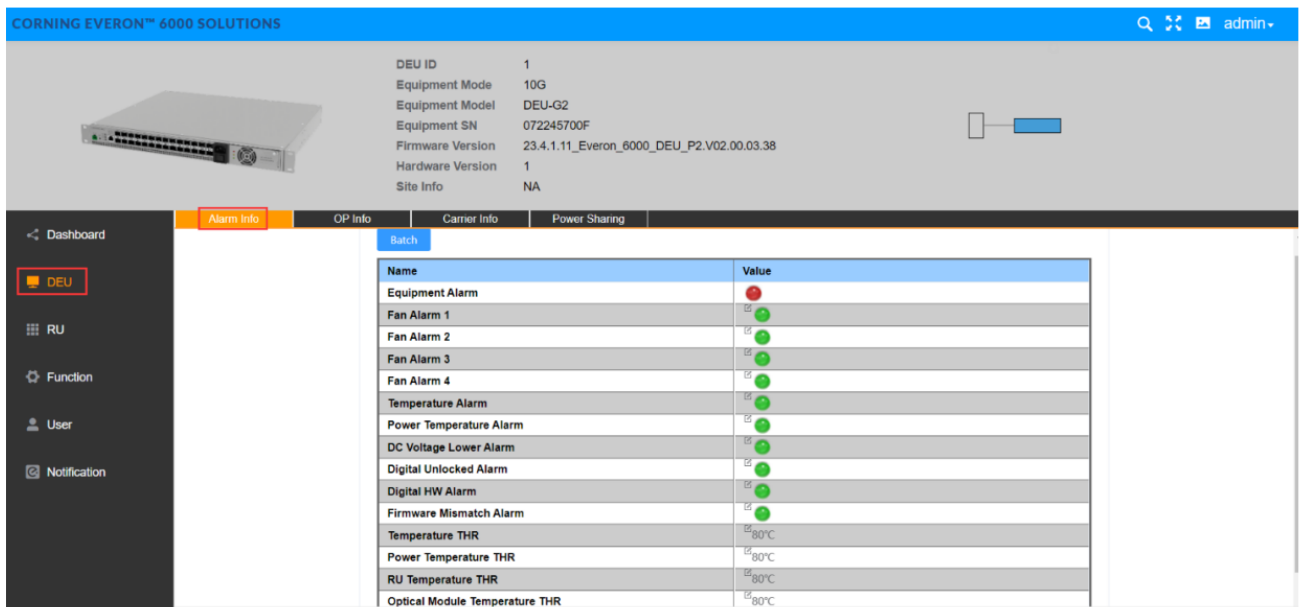


Alarm Info

- Figure 146. DEU25G Alarm Info






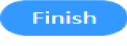
• **Figure 147.DEU 10 G Alarm Info**



Alarms can be set and viewed in this function which are defined as follows:

1. Equipment Alarm: Take effect if any alarm is valid.
2. Fan Alarm 1~4: Take effect if any fan (4 in total) in the module is abnormal.
3. Temperature Alarm: Take effect if the device temperature is higher than the device over temperature THR (80°C by default).
4. Power Temperature Alarm 1~2: Take effect if the temperature of any PSE is higher than the device over temperature THR (80°C by default).
5. DC Voltage Alarm: The alarm will occur if the input power<37V
6. Digital Unlocked Alarm: Take effect if the device is unlocked.
7. Firmware Mismatch Alarm: The module version does not match the system version.
8. Temperature THR: Alarm will be generated if the device temperature exceeds this value.
9. Power Temperature THR: Alarm will be generated if the power module temperature exceeds this value.
10. RU Temperature THR: Alarm will be generated if RU temperature exceeds it.
11. Optical Module Temperature THR: Generate alarm if the optical module temperature this value.

To set alarm info parameters

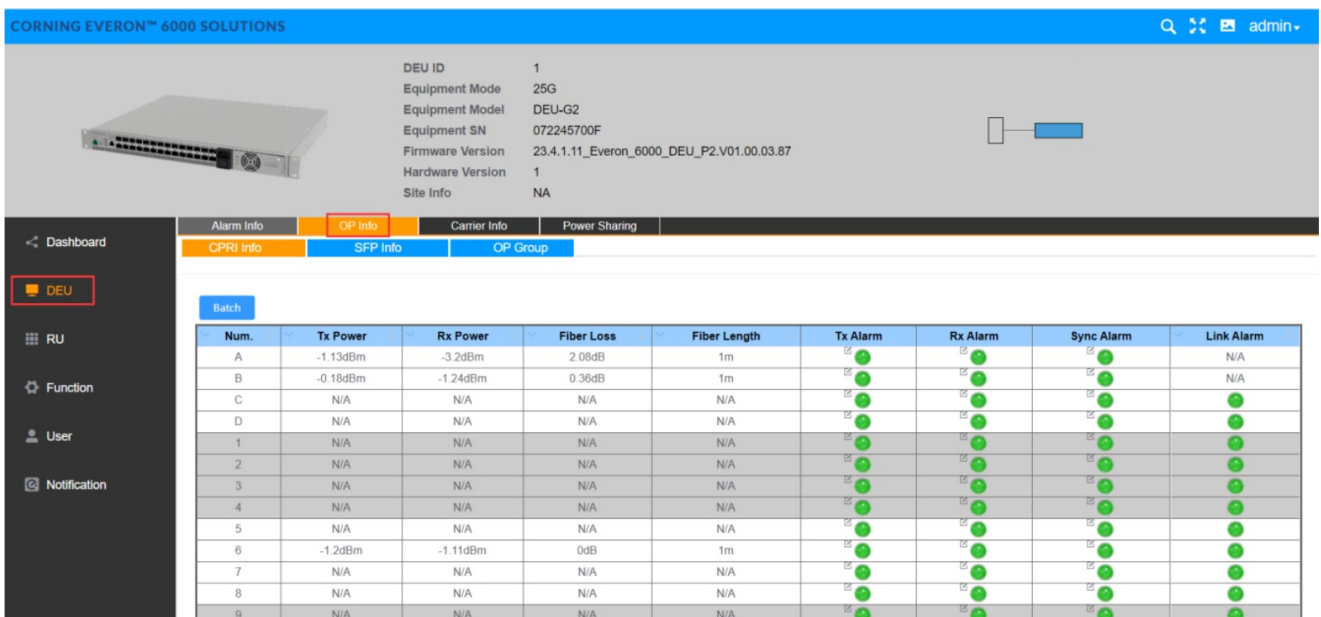
1. Click DCU—Alarm Info to enter the configuration page.
2. For alarms, click the edit button  and Disable and Enable button can be seen. Select Enable and the green icon will be displayed .
3. For Temperature THR, Power Temperature THR, Optical Module Temperature THR, System Delay THR, click  to enter the values within the range according to the form above.
4. Click Finish  to complete the configuration.

OP Info



















































CPRI Info

The range of optical module transmitting power (Tx PWR) is -3dBm~5dBm; The range of Rx PWR shall be greater than -10dBm. The maximum operating temperature must be lower than 80 ° C and the optical module must be correctly matched. Otherwise, an exception may occur. Alarms can be queried on this interface.

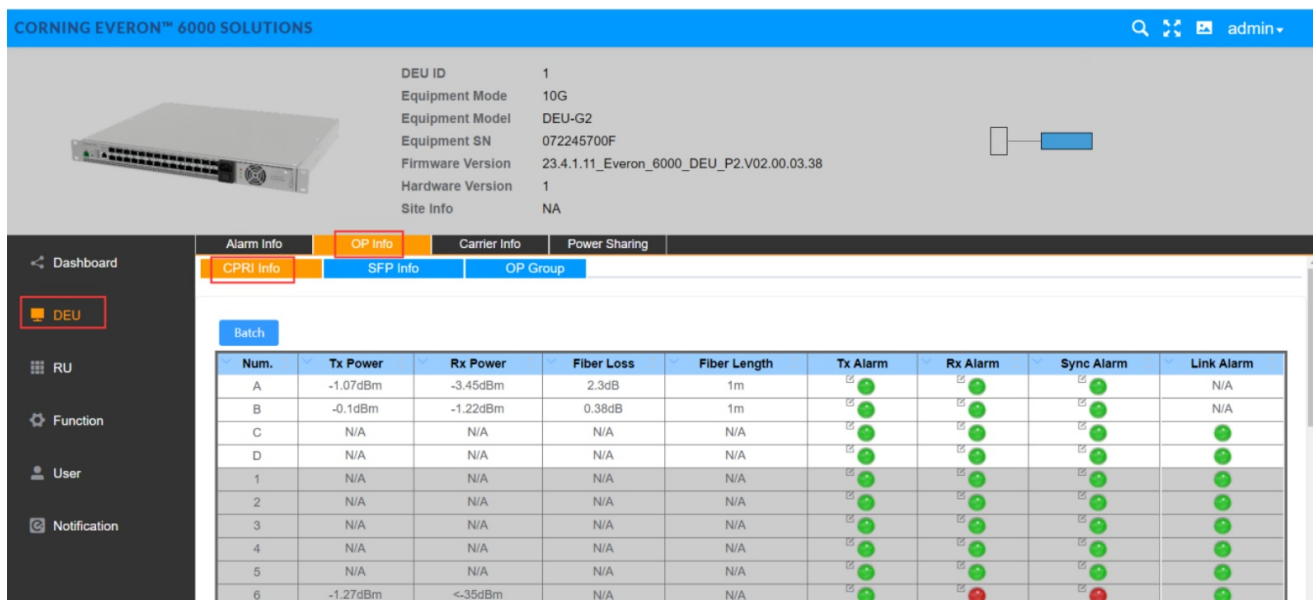
• Figure 148.DEU 25 G OP Info CPRI Info



The screenshot shows the CORNING EVERON™ 6000 SOLUTIONS interface. The top navigation bar includes a search icon, a settings icon, and the user name 'admin'. The main content area displays the DEU 25 G OP Info CPRI Info page. The page features a sidebar with navigation options: Dashboard, DEU (selected), RU, Function, User, and Notification. The main content area has a top navigation bar with tabs: Alarm Info, OP Info (selected), Carrier Info, and Power Sharing. Below this, there are sub-tabs: CPRI Info (selected), SFP Info, and OP Group. A 'Batch' button is located above the table. The table lists 9 optical modules (A through I) with columns for Tx Power, Rx Power, Fiber Loss, Fiber Length, Tx Alarm, Rx Alarm, Sync Alarm, and Link Alarm. The status of each alarm is indicated by a green circle with a checkmark.

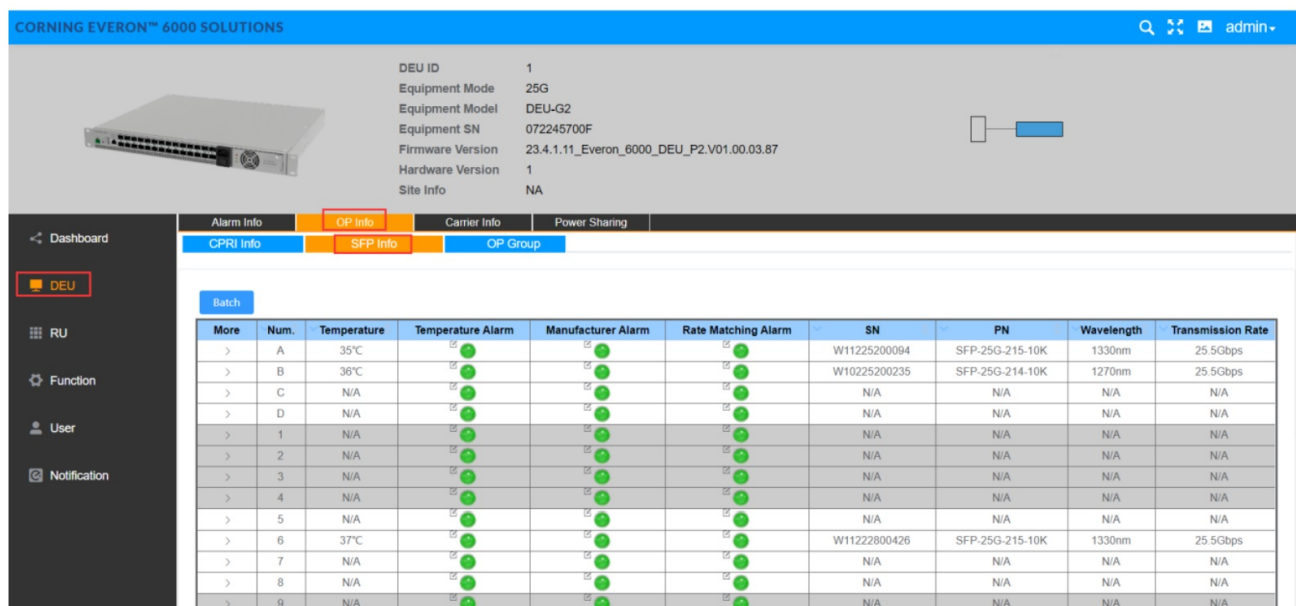
Num.	Tx Power	Rx Power	Fiber Loss	Fiber Length	Tx Alarm	Rx Alarm	Sync Alarm	Link Alarm
A	-1.13dBm	-3.2dBm	2.08dB	1m				N/A
B	-0.18dBm	-1.24dBm	0.36dB	1m				N/A
C	N/A	N/A	N/A	N/A				
D	N/A	N/A	N/A	N/A				
1	N/A	N/A	N/A	N/A				
2	N/A	N/A	N/A	N/A				
3	N/A	N/A	N/A	N/A				
4	N/A	N/A	N/A	N/A				
5	N/A	N/A	N/A	N/A				
6	-1.2dBm	-1.11dBm	0dB	1m				
7	N/A	N/A	N/A	N/A				
8	N/A	N/A	N/A	N/A				
9	N/A	N/A	N/A	N/A				

• Figure 149.DEU 10 G OP Info CPRI Info



SFP Info

- Figure 150. DEU 25 G OP Info SFP Info



- Figure 151. DEU 10 G OP Info SFP Info

CORNING EVERON™ 6000 SOLUTIONS

admin

DEU ID1
Equipment Mode10G
Equipment ModelDEU-G2
Equipment SN072245700F
Firmware Version23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38
Hardware Version1
Site InfoNA

Dashboard

DEU

RU

Function

User

Notification

Alarm Info

OP Info

Carrier Info

Power Sharing

CPRI Info

SFP Info

OP Group

Batch

More	Num.	Temperature	Temperature Alarm	Manufacturer Alarm	Rate Matching Alarm	SN	PN	Wavelength
>	A	33°C				W11225200094	SFP-25G-215-10K	1330nm
>	B	34°C				W10225200235	SFP-25G-214-10K	1270nm
>	C	N/A				N/A	N/A	N/A
>	D	N/A				N/A	N/A	N/A
>	1	N/A				N/A	N/A	N/A
>	2	N/A				N/A	N/A	N/A
>	3	N/A				N/A	N/A	N/A
>	4	N/A				N/A	N/A	N/A
>	5	N/A				N/A	N/A	N/A
>	6	35°C				W1122800426	SFP-25G-215-10K	1330nm

Click “>” under the SFP Info More to view the optical module info.

• Figure 152.DEU 25 G OP Info SFP Info More

CORNING EVERON™ 6000 SOLUTIONS

admin

DEU ID1
Equipment Mode25G
Equipment ModelDEU-G2
Equipment SN072245700F
Firmware Version23.4.1.11_Everon_6000_DEU_P2.V01.00.03.87
Hardware Version1
Site InfoNA

Dashboard

DEU

RU

Function

User

Notification

Alarm Info

OP Info

Carrier Info

Power Sharing

CPRI Info

SFP Info

OP Group

Batch

More	Num.	Temperature	Temperature Alarm	Manufacturer Alarm	Rate Matching Alarm	SN	PN	Wavelength	Transmission Rate								
>	A	35°C				W11225200094	SFP-25G-215-10K	1330nm	25.5Gbps								
<table> <thead> <tr> <th>Name</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Production Date</td> <td>230112</td> </tr> <tr> <td>Manufacturer</td> <td>FFF</td> </tr> <tr> <td>Revision</td> <td>2.1</td> </tr> </tbody> </table>										Name	Value	Production Date	230112	Manufacturer	FFF	Revision	2.1
Name	Value																
Production Date	230112																
Manufacturer	FFF																
Revision	2.1																
>	B	36°C				W10225200235	SFP-25G-214-10K	1270nm	25.5Gbps								
>	C	N/A				N/A	N/A	N/A	N/A								
>	D	N/A				N/A	N/A	N/A	N/A								
>	1	N/A				N/A	N/A	N/A	N/A								
>	2	N/A				N/A	N/A	N/A	N/A								
>	3	N/A				N/A	N/A	N/A	N/A								

• Figure 153. DEU 10 G OP Info SFP Info More

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

Alarm Info | **OP Info** | Carrier Info | Power Sharing

CPI Info | SFP Info | **OP Group**

Batch

More	Num.	Temperature	Temperature Alarm	Manufacturer Alarm	Rate Matching Alarm	SN	PN	Wavelength										
<	A	33°C	OK	OK	OK	W11225200094	SFP-25G-215-10K	1330nm										
<table border="1"> <thead> <tr> <th>Name</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Transmission Rate</td> <td>25.5Gbps</td> </tr> <tr> <td>Production Date</td> <td>230112</td> </tr> <tr> <td>Manufacturer</td> <td>FFF</td> </tr> <tr> <td>Revision</td> <td>2.1</td> </tr> </tbody> </table>									Name	Value	Transmission Rate	25.5Gbps	Production Date	230112	Manufacturer	FFF	Revision	2.1
Name	Value																	
Transmission Rate	25.5Gbps																	
Production Date	230112																	
Manufacturer	FFF																	
Revision	2.1																	
>	B	34°C	OK	OK	OK	W10225200235	SFP-25G-214-10K	1270nm										
>	C	N/A	OK	OK	OK	N/A	N/A	N/A										

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OP Group

a. For the port configuration of 10G DEU, we design the new GUI for the various SFP port config. It supports 3 configuration mode on each 6 SFP ports (Group). Click DEU OP Info OP Group to configure SFP port as shown in Figure 154.

• Figure 154. DEU 10G OP Info OP Group

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


Alarm Info | **OP Info** | Carrier Info | Power Sharing

CPI Info | SFP Info | **OP Group**

Batch

Group NO.	Group Definition	Group Mode	RU Mismatch Alarm
1	OP1+OP2+OP3+OP4+OP5+OP6	Model 1	OK
2	OP7+OP8+OP9+OP10+OP11+OP12	Model 2	OK
3	OP13+OP14+OP15+OP16+OP17+OP18	Model 3	OK
4	OP19+OP20+OP21+OP22+OP23+OP24	Model 3	OK

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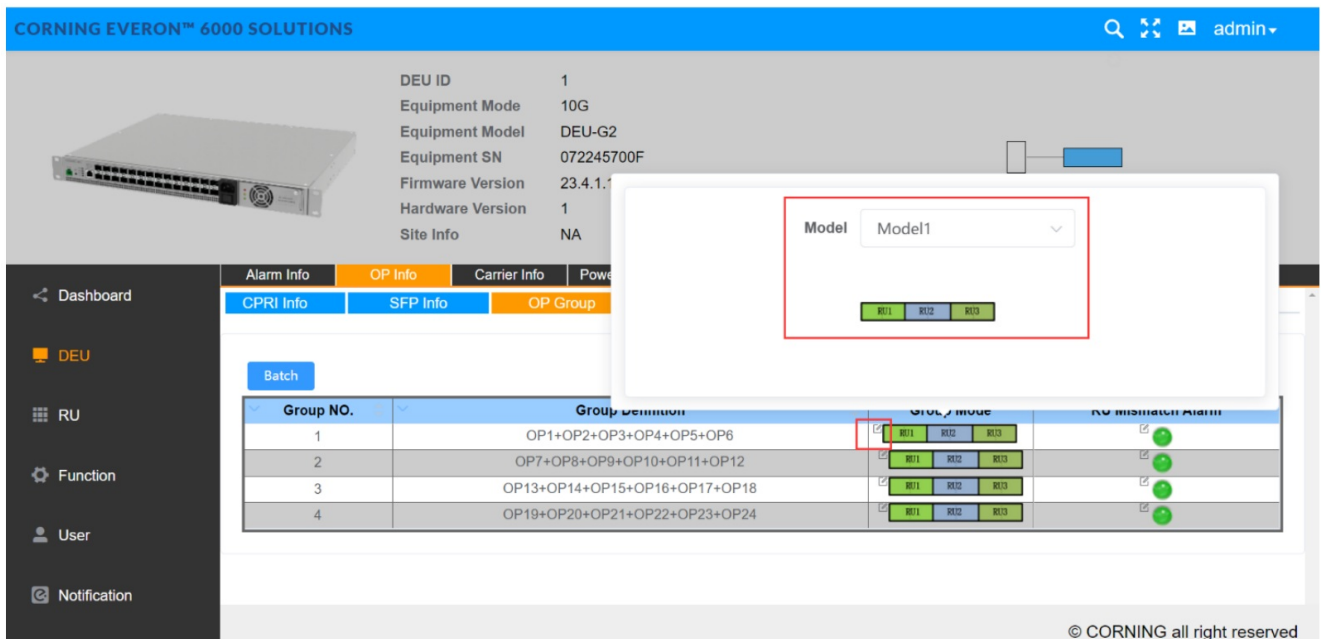
Click  button in Group Mode. In the drop-down box, there are three models to choose from. Then click Save to complete the configuration. Default configuration is model 1


Model 1: Two SFP ports are mapped to one RU, and it is recommended to align the DEU and RU SFPs in the same order, otherwise an SFP alarm will occur.

Model 2: 1 SFP port is mapped to 1 RU.

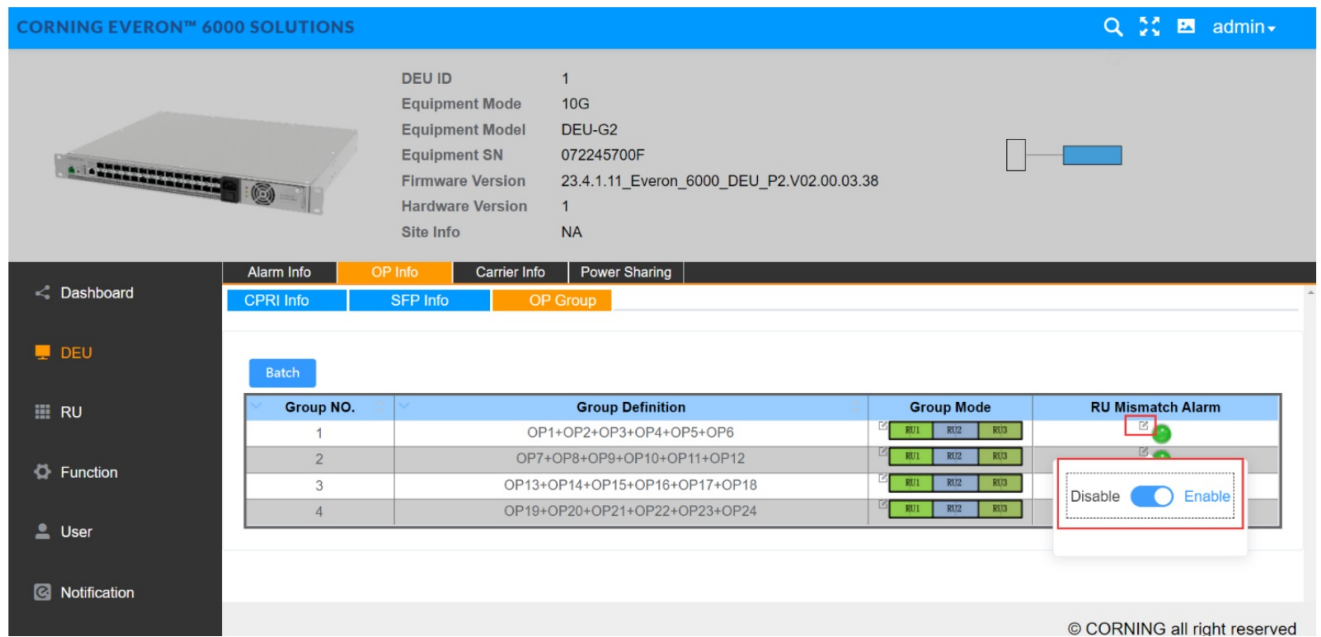
Model 3: 3 SFP ports are mapped to 1 RU. It is recommended to align the DEU and RU SFP in the same order, otherwise an SFP alarm will occur.

• Figure 155. DEU 10 G Group Mode



Click  button in RU Mismatch Alarm. Select Enable/ Disable, then click Finish to complete the configuration.


- **Figure 156.DEU 10 G RU Mismatch Alarm**



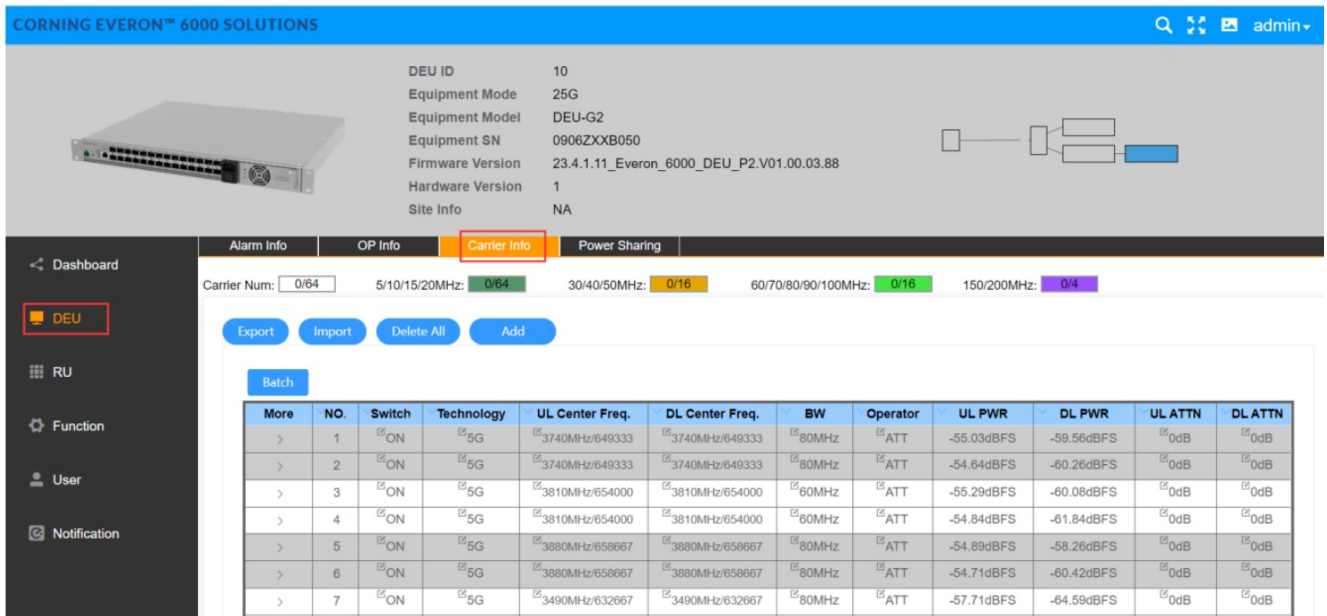
b. For the port configuration of 25G DEU, there are two models to choose from. The configuration steps are the same as that of 10G DEU OP group configuration.

- **Figure 157.DEU 25G OP Info OP Group**

To configure carrier info

1. Click DEU Carrier Info Add to set UL Center Freq. and DL Center Freq. to enter the following page.
2. Click the icon  in each field and select one from the drop-down options, enter values within the range and select ON/OFF and Enable/Disable button.
3. Click Finish to set.

• Figure 160. DEU 25G Carrier Info

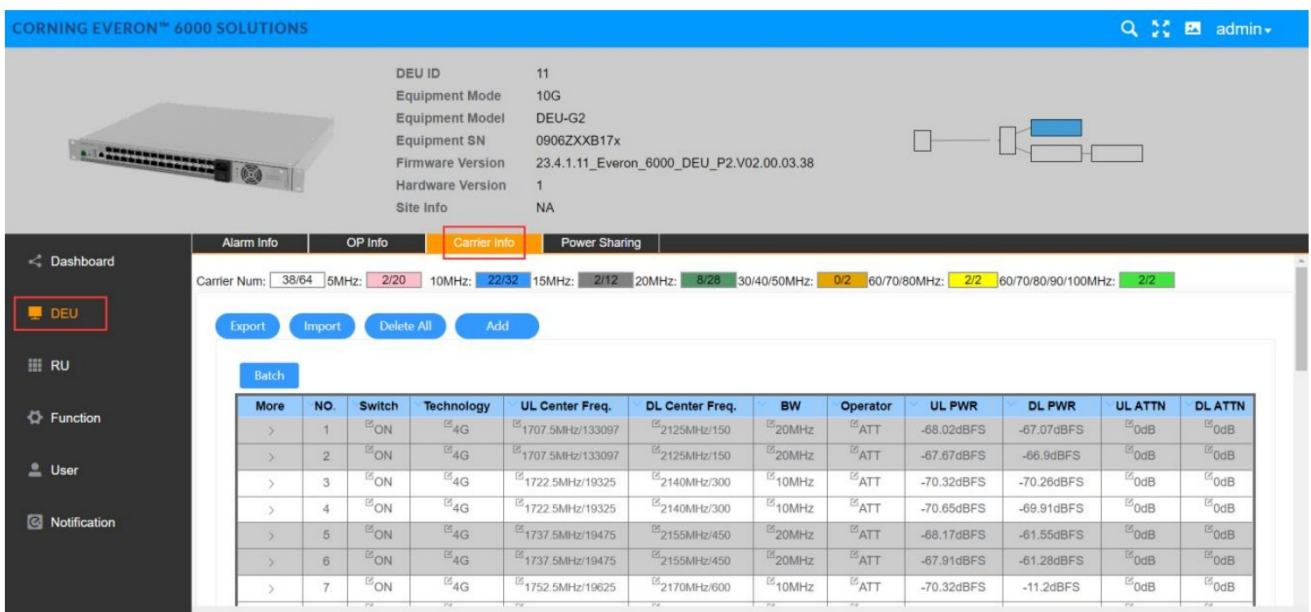


DEU ID: 10
Equipment Mode: 25G
Equipment Model: DEU-G2
Equipment SN: 0906ZXXB050
Firmware Version: 23.4.1.11_Everon_6000_DEU_P2.V01.00.03.88
Hardware Version: 1
Site Info: NA

Carrier Num: 0/64 5/10/15/20MHz: 0/64 30/40/50MHz: 0/16 60/70/80/90/100MHz: 0/16 150/200MHz: 0/4

More	NO.	Switch	Technology	UL Center Freq.	DL Center Freq.	BW	Operator	UL PWR	DL PWR	UL ATTN	DL ATTN
>	1	ON	5G	3740MHz/649333	3740MHz/649333	80MHz	ATT	-55.03dBFS	-59.56dBFS	0dB	0dB
>	2	ON	5G	3740MHz/649333	3740MHz/649333	80MHz	ATT	-54.64dBFS	-60.26dBFS	0dB	0dB
>	3	ON	5G	3810MHz/654000	3810MHz/654000	60MHz	ATT	-55.29dBFS	-60.08dBFS	0dB	0dB
>	4	ON	5G	3810MHz/654000	3810MHz/654000	60MHz	ATT	-54.84dBFS	-61.84dBFS	0dB	0dB
>	5	ON	5G	3880MHz/658667	3880MHz/658667	80MHz	ATT	-54.89dBFS	-58.26dBFS	0dB	0dB
>	6	ON	5G	3880MHz/658667	3880MHz/658667	80MHz	ATT	-54.71dBFS	-60.42dBFS	0dB	0dB
>	7	ON	5G	3490MHz/632667	3490MHz/632667	80MHz	ATT	-57.71dBFS	-64.59dBFS	0dB	0dB

• Figure 161. DEU 10G Carrier Info





DEU ID: 11
Equipment Mode: 10G
Equipment Model: DEU-G2
Equipment SN: 0906ZXXB17x
Firmware Version: 23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38
Hardware Version: 1
Site Info: NA

Carrier Num: 38/64 5MHz: 2/20 10MHz: 22/32 15MHz: 2/12 20MHz: 8/28 30/40/50MHz: 0/2 60/70/80MHz: 2/2 60/70/80/90/100MHz: 2/2

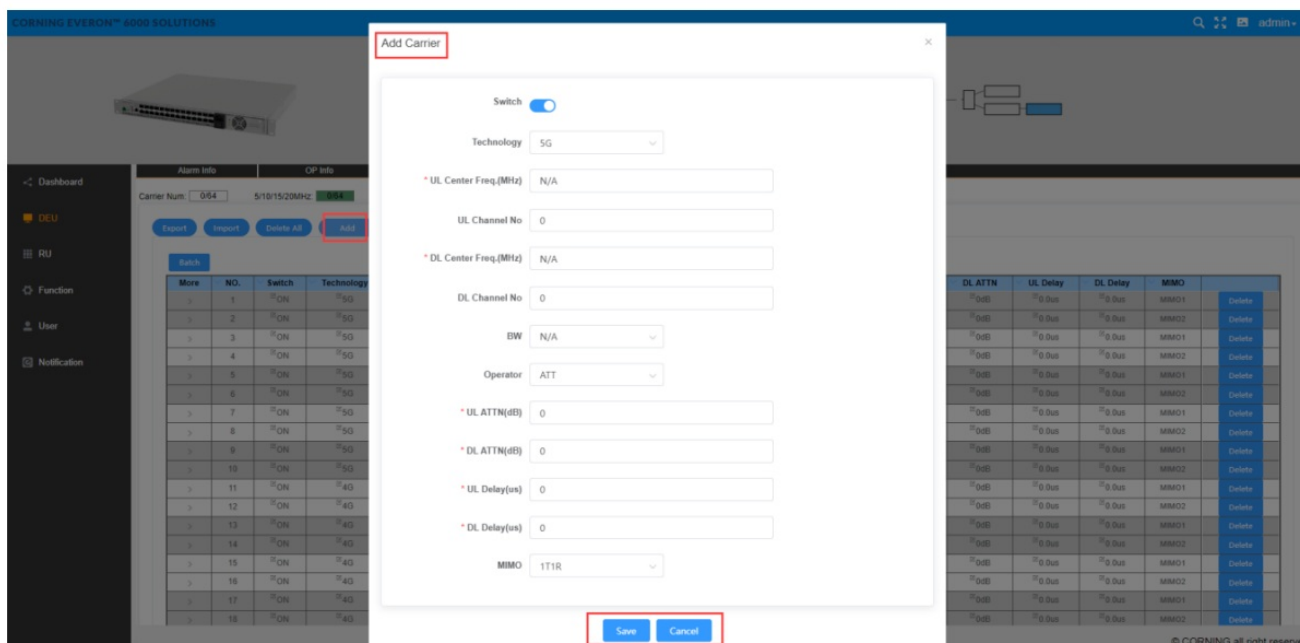
More	NO.	Switch	Technology	UL Center Freq.	DL Center Freq.	BW	Operator	UL PWR	DL PWR	UL ATTN	DL ATTN
>	1	ON	4G	1707.5MHz/133097	2125MHz/150	20MHz	ATT	-68.02dBFS	-67.07dBFS	0dB	0dB
>	2	ON	4G	1707.5MHz/133097	2125MHz/150	20MHz	ATT	-67.67dBFS	-66.9dBFS	0dB	0dB
>	3	ON	4G	1722.5MHz/19325	2140MHz/300	10MHz	ATT	-70.32dBFS	-70.26dBFS	0dB	0dB
>	4	ON	4G	1722.5MHz/19325	2140MHz/300	10MHz	ATT	-70.65dBFS	-69.91dBFS	0dB	0dB
>	5	ON	4G	1737.5MHz/19475	2155MHz/450	20MHz	ATT	-68.17dBFS	-61.55dBFS	0dB	0dB
>	6	ON	4G	1737.5MHz/19475	2155MHz/450	20MHz	ATT	-67.91dBFS	-61.28dBFS	0dB	0dB
>	7	ON	4G	1752.5MHz/19625	2170MHz/600	10MHz	ATT	-70.32dBFS	-11.2dBFS	0dB	0dB

To add carrier

1. Click Add button  and the following setting page appear.
2. Click the arrow  and select one from the listed options.
3. Enter the values of the field marked *.

4. Click Save  to finish the settings.

• **Figure 162.DEU 25G Carrier Info Add**



Switch ☒

Technology 5G

* UL Center Freq(MHz) N/A

UL Channel No 0

* DL Center Freq(MHz) N/A

DL Channel No 0

BW N/A

Operator ATT

* UL ATTN(dB) 0

* DL ATTN(dB) 0

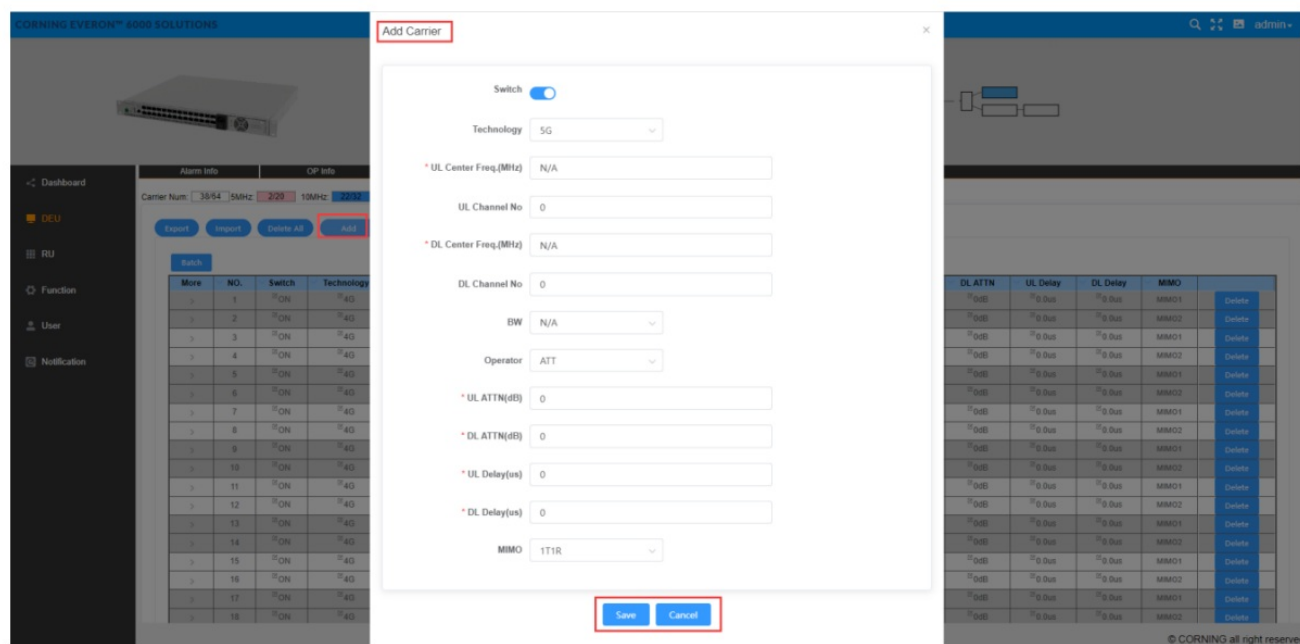
* UL Delay(us) 0

* DL Delay(us) 0

MIMO 1T1R

Save Cancel

• **Figure 163. DEU 10 G Carrier Info Add**



Switch ☒

Technology 5G

* UL Center Freq(MHz) N/A

UL Channel No 0

* DL Center Freq(MHz) N/A

DL Channel No 0

BW N/A

Operator ATT

* UL ATTN(dB) 0

* DL ATTN(dB) 0

* UL Delay(us) 0

* DL Delay(us) 0

MIMO 1T1R

Save Cancel

Power Sharing

SN	DEU Sharing Power Parameters	Ranges	Default Values
1	Power Sharing Lock	ON/OFF (Lock the DL ATT config on the carrier info)	OFF
2	Band	2500T/3500F/3500G	3500G
3	Assigned	10% 100%	66%
4	Unassigned	0% 90%	34%
5	Number of Carrier for each band/sub-band	0 4	N/A
7	Assign Percent	0%-100%	33%
8	Assign Type	Density/Even	Density

To configure power sharing

- Click the Set button then the DL ATTN can be configured. **Calculate & Set DL ATTN** Setting
- Select Powering Sharing Lock **Power Sharing Lock** ☒ and operation success will pop up. ✓ operation success
- Enter the value of Assign Percent **Assign Percent** %
- Click the arrow in Assign type **Assign Type** Density

• Figure 164. DEU25G Power Sharing

The screenshot shows the 'Power Sharing' configuration page for a DEU25G device. The page header includes the device ID (10), equipment mode (25G), and other details. The main table lists the following data:

Band	Assigned	Unassigned	Operator	Number of Carrier	Assign Percent	Assign Type
HighC	100%	0%	ATT	3	100 %	Density
LowC	100%	0%	ATT	2	100 %	Density
EARIS	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
			ATT	1	50 %	Density
600	100%	0%	VZW	1	50 %	Density

• Figure 165.DEU 10 G Power Sharing

CORNING EVERON™ 6000 SOLUTIONS

admin

DEU ID: 11
Equipment Mode: 10G
Equipment Model: DEU-G2
Equipment SN: 0906ZXXB17x
Firmware Version: 23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38
Hardware Version: 1
Site Info: NA

Alarm Info

OP Info

Carrier Info

Power Sharing

Dashboard

DEU

RU

Function

User

Notification

Power Sharing

Calculate & Set DL ATTN

Power Sharing By DCU

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

DEU -> Function

Device Info

Click Function Device Info to view the time, latitude, longitude, and other information of 10G/25G device. The site info is defined by the user.

• Figure 166.DEU25G Function Device Info

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

Device Info

Reset

Trigger Switch

Firmware

Alarm Setting

Import & Export

Log

Dashboard

DEU

RU

Function

User

Notification

Name	Value
Temperature	49°C
Power Temperature	30°C
DC Voltage	56.8V
AC Input Voltage	218.1V
DC Power Consumption	96W
AC Power Consumption	103W
Equipment Mode	25G
Fan Speed	5200r/min
Date/Time	2017-11-25 15:20:51
Uptime	21:17:45:00:00
Site Info	DEU222222222222
Longitude	E90
Latitude	N90
Optical Cross Status	

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• Figure 167. DEU 10 G Function Device Info

CORNING EVERON™ 6000 SOLUTIONS

admin

DEU ID1
Equipment Mode10G
Equipment ModelDEU-G2
Equipment SN072245700F
Firmware Version23.4.1.11_Everon_6000_DEU_P2.V02.00.03.38
Hardware Version1
Site InfoNA

Dashboard
DEU
RU
Function
User
Notification

Device Info

Reset
Trigger Switch
Firmware
Alarm Setting
Import & Export
Log

Name	Value
Temperature	48°C
Power Temperature	29°C
DC Voltage	56.9V
AC Input Voltage	221.4V
DC Power Consumption	77W
AC Power Consumption	88W
Equipment Mode	10G
Fan Speed	5200r/min
Date/Time	2023-11-22 09:52:13
Uptime	00:17:04:30:00
Site Info	NA
Longitude	E113.411788091131
Latitude	N23.1439927554101
Optical Cross Status	●






Reset

Click Function Reset to clear the historical alarm, reset the software and hardware of the DEU, and reset the software and hardware of the RU connected to the DEU.

Documents / Resources

	<p>CORNING DHRU-G2-7 HRU Digital High Power Amplifier Module [pdf] User Guide DHRU-G2-7, OJFDHRU-G2-7, OJFDHRUG27, DHRU-G2-7 HRU Digital High Power Amplifier Module, HRU Digital High Power Amplifier Module, Digital High Power Amplifier Module, High P ower Amplifier Module, Power Amplifier Module, Amplifier Module, Module</p>
	<p>CORNING DHRU-G2-7 HRU Digital High Power Amplifier Module [pdf] User Manual DHRU-G2-7, OJFDHRU-G2-7, OJFDHRUG27, DHRU-G2-7 HRU Digital High Power Amplifier Module, HRU Digital High Power Amplifier Module, Digital High Power Amplifier Module, High P ower Amplifier Module, Power Amplifier Module, Amplifier Module, Module</p>
	<p>CORNING DHRU-G2-7 HRU Digital High Power Amplifier Module [pdf] User Guide DHRU-G2-7, OJFDHRU-G2-7, OJFDHRUG27, DHRU-G2-7 HRU Digital High Power Amplifier Module, HRU Digital High Power Amplifier Module, Digital High Power Amplifier Module, High P ower Amplifier Module, Power Amplifier Module, Amplifier Module, Module</p>

References

-  [196.ru](#)
-  [202.RU](#)
-  [Corning Optical Communications | Fiber Optic Connectivity Solutions | Corning](#)
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-  [FCC Signal Booster Registration - Part 90 Class B Signal Booster Registration & Discovery](#)
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