# EXTRALINK OLT RAPTOR, PREDATOR

# A short guide showing how to launch the **web interface**

To meet the expectations of our customers, we've added the ability of management via www in Extralink OLTS.

The following guide shows in a few steps how update the firmware of EXTRALINK OLTS, RAPTOR and PREDATOR to start management via the web interface.

It's worth mentioning that in a new firmware (V2.3.1) we've two addresses for OLT management unlike in the previous version where there was only one address:

1. Prior to the update, the default OLT's address is 192.168.1.100 but after updating to V2.3.1:

<ul> <li>OLT uplink port manage IP address:</li> </ul>	192.168.8.100
<ul> <li>OLT AUX/MGMT port manage IP address:</li> </ul>	192.168.1.100

2. If the default OLT's address was changed before the update to 192.168.1.X (excluding 192.168.1.100) then after updating to V2.3.1:

<ul> <li>OLT uplink port manage IP address:</li> </ul>	192.168.1.X
<ul> <li>OLT UX/MGMT port manage IP address:</li> </ul>	192.168.2.100

- 3. If the default OLT's address was changed before the update to completely different than 192.168.1.X, then after updating to V2.3.1:
  - OLT uplink port manage IP address: the same as before update
  - OLT AUX / MGMT port manage IP address: 192.168.1.100

Let's get to the point ... firstly, we must prepare our work station



In this guide the PC is set to Server with the IP address: 192.168.1.111, while access to the OLT is obtained at 192.168.1.100.

- I. First of all, you must make sure that firewall is disabled on your computer
- II. Then, make sure that the IP address of your computer is on the same subnet as the IP address of the OLT. The same network segment can ping each other:

₩ 192.168.1.100 - PuTTY	_	$\times$	Wiersz polecenia - ping 192.168.1.100 -t	-	×
		/	Reply from 192.168.1.100: bytes=32 time<1ms TTL=64		^
***************************************			Reply from 192.168.1.100: bytes=32 time=1ms TTL=64		
Command Line Interface for EPON System			Reply from 192.168.1.100: bytes=32 time<1ms TTL=64		
Hardware Ver: V3.1			Reply from 192.168.1.100: bytes=32 time=4ms TTL=64		
Software Ver: 2.2.10_000			Reply from 192.168.1.100: bytes=32 time=1ms TTL=64		
Created Time: Oct 10 2016 10:50:24			Reply from 192.168.1.100: bytes=32 time=1ms TTL=64		
Copyright (c) 2006-2015 All rights reserved.			Reply from 192.168.1.100: bytes=32 time<1ms IIL=64		
******************			Reply from 192.168.1.100: bytes=32 time<1ms IIL=64		
Username:admin			Reply from 192.168.1.100: bytes=32 time<1ms IIL=64		
Password:*****			Reply from 192.168.1.100: bytes=32 time<1ms IIL=64		
			Reply from 192.168.1.100: Dytes=32 time<1ms IIL=64		
Entry level 3(administrator) successfully!			Reply from 192.168.1.100: Dytes=32 time=1ms IIL=64		
			Reply from 192.168.1.100: Dytes=32 time<1ms IIL=64		
epon# ping 192.168.1.111			Reply from 192.168.1.100: Dytes=32 time<1ms IIL=64		
PING 192.168.1.111 (192.168.1.111): 56 data bytes			Reply from 192.168.1.100: bytes=32 time=1ms TTL=64		
64 bytes from 192.168.1.111: seq=0 tt1=128 time=11.9/5 ms			Reply from 192.168.1.100: Dytes=32 time(1ms 1)L=64		
64 bytes from 192.168.1.111: seq=1 tt1=128 time=1.340 ms			Reply from 192.168.1.100: Dytes=32 time<1ms IIL=64		
64 bytes from 192.168.1.111: seq=2 tt=128 time=1.035 ms			Reply from 192.168.1.100: Dytes=32 time<1ms IIL=64		
64 bytes from 192.168.1.111: seg=3 ttl=128 time=1.480 ms			Reply from 192.168.1.100: Dytes=32 time=1ms IIL=64		
			Reply from 192.168.1.100: bytes=32 time<1ms TTL=64		
192.168.1.111 ping statistics			Reply from 192.108.1.100: bytes=32 time=1ms TTL=64		
4 packets transmitted, 4 packets received, Us packet loss			Reply from 192.108.1.100: bytes=32 time(1ms TTL=64		
round-trip min/avg/max = 1.035/3.95//11.975 ms			Reply from 192.108.1.100: bytes=32 time(ins TTL=64		
epon#			Reply from 192.108.1.100: bytes=32 time=1ms TTL=04		
			Reply from 192.108.1.100: bytes=32 time(1ms TTL=04		
			Reply from 192.108.1.100. Dytes=32 time(105 TTL=64		
			Reply from 192.108.1.100. Dytes=32 time=105 TTL=64		
			Reply from 192.108.1.100: bytes=32 time(1ms TTL=64		
			Reply from 192.108.1.100: bytes=32 time(1ms TTL=04		
			Reply from 192.108.1.100: bytes=32 time(1ms TTL=04		
			Reply from 192.108.1.100. Dytes=32 time(105 TTL=64		
			Reply from 192.108.1.100. Dytes=32 time(1ms TTL=64		
			Reply from 192.108.1.100. Dytes=32 time(1ms TTL=64		
			Reply from 192.108.1.100. Dytes=32 time(1ms TTL=64		
			Reply from 192.108.1.100. bytes=32 time(1ms TTL=64		
			Reply from 192.108.1.100. bytes=32 time(1ms TTL=64		
			Reply from 192.108.1.100. bytes=32 time(1ms TTL=64		
			Reply from 192.168.1.100. bytes=32 time(1ms TTL=64		
			Reply from 192.100.1.100. bytes=32 time(1ms TTL=64		
			Reply from 192.100.1.100. bytes=32 time(1ms TTL=64		
			The second secon		

- III. Launch the TFTP program to download a new firmware. Configure the TFTP Server as follows:
  - 1) Specify a path to the software you want to update
  - 2) Specify the IP address of the server (in this case it's the PC address)

🄖 Tftpd64	by Ph. Jour	nin						_		×
Current Direct	ent Directory C:\Users\aBaZ\Desktop\Firmware\Extralink\OLT RAPTOR PREDATOR 👤 (1)						<u>B</u> rowse			
Server interfa	ces 192.1	168.1.111	Realtek PC	le GBE Famil	y Controller		- (2	)	Show <u>D</u> ir	
Tftp Server	Tftp Client	DHCP server	Syslog server	Log viewer						
peer		file	start time	progress	byte:	S	total	timeo		
Abo	out			<u>S</u> ettings					<u>H</u> elp	

IV. Now you can proceed to OLT update

# **Epon # system update firmware <firmware name> tftp-server <tftp-ip>** where:

- (2) If you have typed the command correctly, you will see that the image of a firmware is being properly imported to OLT



(3) After the correct update, type "y" to restart the OLT.OLT needs to be restarted to load a new version of the software.

P 192.168.1.100 - PuTTY	_	$\times$
		^
Command Line Interface for EDON System		
Hardware Ver: V3.1		
Software Ver: 2.2.10 000		
Created Time: Oct 10 2016 10:50:24		
Copyright (c) 2006-2015 All rights reserved.		
***************************************		
Username:admin Password·****		
Entry level 3(administrator) successfully!		
epon# show system ipconfig		
1p : 192.168.1.100		
ateway : 192.168.1.1		
MNGMT-VID : 1		
epon#		
epon#		
epon#		
epon; system update firmware FD11085_V2.4.02_1/0421_X000.1mg titp-server 192.168.1.111 Transfering the Image file please wait		
Earsing flash, please wait		
Upgrading image, please waitOK!		
Reboot the system now <y n="">?</y>		$\sim$

V. Next step is to install an image of the software analogously. It'll launch the web access.

#### epon# system update web-server <firmware name> tftp-server <tftp-ip>

where:

- (2) In order to check whether everything has been successfully installed, type in the command: epon# **show system infor**

🗬 192.168.1.100 - PuTTY	_	×
		^
******	*******************	
Command Lir	ne Interface for EPON System	
Ha	ardware Ver: V3.1	
So	oftware Ver: 2.2.10_000	
Ci	reated Time: Apr 21 2017 18:25:38	
Copyright (c) 2	2006-2015 All rights reserved.	
***************	***************************************	
Username:admin		
epon# system update	web-server FD11085 WFB VI 0 0 170421 1831 img fftn-server 192 168 1 111	
Transfering the Web	Server file, please wait	
Upgrading Web Serve	er	
Restarting Web Serv	ver	
OK!		
epon# show system i	infor	
Software Version	: 2.2.10_000(Apr 21 2017)	
Hardware Version	: V3.1	
MAC	: e0-67-b3-00-96-ec	
Serial Number	: AF1101-1610000017	
System Time	: 2000/01/01 04:49:53 +08:00	
Contact	: pawei	
Web Server		
Version	: V1.0.0	
BuildTime	: 17-04-21 18:31:25	
Administrator	: admin	
Password	: admin	
System Temperature	: 38.0C	
FAN[1]	: Normal	
FAN[2]	: Normal	
FAN[3]	: Normal	
epon#		~

If everything is ok you can finally login to your OLT via the web interface without rebooting the device. Simply type in <u>http://192.168.1.100</u> (by default) and log in using the password: **admin** 

C Q Szukaj
Locia
Login
Language English
User please enter user name
Password Please enter administrator passw
Login

It's worth mentioning that the OLT web interface is very clear which is best illustrated by the following screenshots of some of the settings:

xPON OLT	Version: V1.0.0	Language: English 🗸 🕐 Exit
Topology → FD1108S → → Main Board → → PON Board → → PON Board → → PON 2 → → PON3 → → PON4 → → PON5 → → PON5 → → PON5 → → PON5 → → PON8	Path:FD1108S>SystemInfo 	io>DeviceDiag
		All rights reserved

xPON OLT	Version: V1.0.0	Language: English ~ 🔱 Exit
<b>XPON OLT</b> <b>Topology</b> <b>FD1108S</b> Main Board Main Board <b>Switching Board</b> <b>PON Board</b> <b>PON Board</b> <b>PON 2</b> <b>PON 2</b> <b>PON 3</b> <b>PON 5</b> <b>PON 5</b> <b>PON 5</b> <b>PON 7</b> <b>PON 8</b>	Version: V1.0.0 PATH:FD1108S>Switching Switch-Config Net Interface Port Status Port Properity Packet Suppress VLAN Manage TRUNK RSTP Port Mirror IGMP Snooping	Language: English v letit P Board>VLAN Manage VLAN Manage VLANEnable : disable v VLANEnable : disable v vulnity gelige2:ge3;ge4;ge5;ge6;ge7;ge8;pon1;pon3;pon4;pon5;pon6;pon7;pon8; edit delete refresh add set First Next



## We highly recommend firmware update.

### All the necessary files at:

www.anteny24.com

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