

DATACOM



# DM985-100

ONU GPON

VERSION 1.3.2

RELEASE NOTES

204.4333.03- January/2019

## CONTACT

### TECHNICAL SUPPORT

DATACOM offers a technical support call center – DmSupport, to support customers during configuration and use of our devices.

The DmSupport can be reached on this address: <https://supportcenter.datacom.com.br>

In this portal, the firmware images, technical descriptions, configuration guides, MIBs, and manuals are available for download. In addition to that, it is possible to file a new case with our technical support team.

Contact us by phone +55 51 3933-3122.

Please observe that the support by phone is only available on workdays, from 8 am to 5:30 pm (BRT).

Important Note: contact our commercial team for a 24x7 support availability quotation.

### GENERAL INFORMATION

For any additional information, visit <http://www.datacom.com.br/en> or contact:

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## INDEX

CONTACT .....	2
<b>TECHNICAL SUPPORT</b> .....	2
<b>GENERAL INFORMATION</b> .....	2
INDEX .....	3
1 INTRODUCTION TO RELEASE NOTES .....	4
1.1 ABOUT THIS DOCUMENT .....	4
1.2 TARGET AUDIENCE .....	4
1.3 TEXT CONVENTION .....	4
2 IMPORTANT NOTES .....	5
3 HARDWARE AND SOFTWARE COMPATIBILITY .....	6
3.1 RELEASED SOFTWARE .....	6
3.2 PRODUCT COMPATIBILITY .....	6
4 NEW FEATURES AND ENHANCEMENTS .....	7
4.1 NEW FEATURES .....	7
4.2 ENHANCEMENTS .....	7
5 SOLVED ISSUES AND RESTRICTIONS .....	8
5.1 SOLVED ISSUES .....	8
5.2 RESTRICTIONS .....	8
6 SCALABILITY .....	9

# 1 INTRODUCTION TO RELEASE NOTES

## 1.1 ABOUT THIS DOCUMENT

This report provides information regarding a new software release version for the product. The Release Notes also intends to inform relevant changes that have occurred in software, hardware, and documentation.

Also, this document presents information about the supported scalability for several features. Therefore, the reader should take the supported scalability into account when designing or implementing network solutions to prevent from incurring undesired performance.

It is assumed that the reader is familiar with network protocols concepts and has previous knowledge about network products.

## 1.2 TARGET AUDIENCE

This document is intended for Network Administrators, Engineers, and any other qualified service personnel who are responsible for configuring and maintaining networks deployed with DATACOM products.

## 1.3 TEXT CONVENTION

This report uses these text conventions to convey instructions and information:

Convention	Description
Hyperlink	An Internet site or an e-mail address. It is also applied to indicate a local link inside the document itself (e.g., a chapter).
<code>Terminal</code>	System commands and screen outputs.
<i>Object</i>	It indicates a reference to something. Used to emphasize this referenced object.
<b>Menu &gt; Path</b>	GUI (Graphic User Interface) menu paths.
[Key]	Keyboard buttons.

## 2 IMPORTANT NOTES

The table below provides essential notes that should be observed when using the product.

Note
From the version 1.3.2 on, all the firmware version presents a Datacom internal identification suffix. This format can be noticed in the ONU web interface and on remote management systems, via OLT or DmView. The firmware 1.3.2 is presented in the format 1.3.2-X.

## 3 HARDWARE AND SOFTWARE COMPATIBILITY

### 3.1 RELEASED SOFTWARE

This session presents the software release details:

Product	Release Version	Archive
DM985-100	1.3.2	1183-04.bin

### 3.2 PRODUCT COMPATIBILITY

The table below shows the product compatibility matrix stating the minimum hardware version, minimum software version, and correct DmOS version for better system operation.

Product	Hardware Version	Software Version	OLT	DmOS Version
DM985-100	825.8005.00	1.3.2	DM461X	5.0.0

## 4 NEW FEATURES AND ENHANCEMENTS

This chapter lists the new features and enhancements introduced in the release.

### 4.1 NEW FEATURES

Feature	Description
<b>PPPoE RG-Profile</b>	WAN PPPoE configuration support through DmOS/Datacom OLT RG Profile feature. Only one WAN PPPoE can be configured. The following RG Profile WAN PPPoE parameters are supported: auth-type, username, password, VLAN-mux, firewall, and NAT. Other parameters are not supported and the ONU will ignore them. In the case of the firewall parameter, when enabled, it considers as a firewall “low” option as displayed in the ONU WEB UI.

### 4.2 ENHANCEMENTS

Feature	Description	ID
<b>Service Control / IP Host</b>	To restrict ONU WEB UI remote access from the WAN interface, a firewall rule to enable this access is not automatically created anymore as in previous FW versions. By default, only IP Host WAN allows ONU WEB UI remote access. If the remote access is necessary using another WAN (such as WAN PPPoE), a service control rule must be configured manually for this purpose. The former service control rule will no longer be removed during the ONU firmware upgrade process, so, it is required to be removed manually or reset to the factory configuration to make the new firewall work as expected.	120063

## 5 SOLVED ISSUES AND RESTRICTIONS

This section lists solved issues and known restrictions for this software release.

### 5.1 SOLVED ISSUES

Feature	Description	ID
<b>PPPoE Reconnection</b>	Fix to apply the PPPoE reconnection enhancement implemented in FW 1.2.1 after an upgrade process from FW 1.0.0 to 1.2.1, without the need to load the factory configuration.	117431
<b>IP Host</b>	Fixed the cases of the ONU IP Host interface, when IP address attribution via DHCP is used and the Default Gateway address is shown with no value (0.0.0.0/0) in the OLT CLI, even though the correct addresses are fully functional and correctly shown via ONU Web interface	125805
<b>Initialization</b>	Fixed issue when the ONU in bridge mode, after a power outage or ONU reset, when reestablishing the operation presented PPPoE data traffic problems. Even with the session established through the ONU and all services up, the traffic within the PPPoE session was discarded erroneously.	123570 123566 122484 122482 122481 120984

### 5.2 RESTRICTIONS

Feature	Description	ID
<b>RG-Profile</b>	Only some WAN PPPoE parameters (auth-type, username, password, VLAN-mux, firewall, and NAT) can be configured in the OLT RG Profile. Other WAN PPPoE, WAN IPoE, IP filtering, interface grouping, WIFI, one-shot-provisioning settings are not supported. Only one WAN PPPoE can be configured in the OLT RG Profile.	105367
	If the RG profile is removed from the OLT configuration, it is recommended that the factory configuration is loaded to force the ONU to remove all the configuration made by the OLT before going back to bridge mode and LAN DHCP disabled.	
<b>IGMP/Multicast</b>	IGMPv2 packets are not forwarded by the ONU. IGMPv3 works normally.	104037
<b>Gem Traffic Profile</b>	Gem Traffic Profiles from Datacom DmOS OLTs are not supported by this ONU model and version.	104036
<b>IPv6</b>	IPv6 Connection Status field always shows the Connected Status to WAN IPOE interfaces.	112599
<b>Native VLAN</b>	In the case that the ONU is in bridge mode operation and the UNI Interface is configured with Native VLAN, only the data traffic from this VLAN will be operational in this interface.	104033
<b>Throughput</b>	If the ONU data traffic is near the limit for this model (1Gbps), the status report might present instabilities, so the ONU can be exhibited with status DOWN even though the traffic flows accordingly.	104035

<b>IP Host</b>	Some IP Host status information can take up to 5 minutes to be correctly updated in the OLT, such as default gateway information, which can show an invalid value during this period.	
<b>PPPoE Client</b>	In the case WAN PPPoE is used, if there is a connectivity issue with the PPPoE server, the PPPoE client can take up to 2 minutes to tear down the session before initiate a new connection process.	

## 6 SCALABILITY

See: 134.4916.02 - DM985 - Datasheet

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