DATACOM

DM985-100

ONU GPON

FIRMWARE VERSION 2.0.0

RELEASE NOTES

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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ÍNDICE

1 INTRODUCTION TO RELEASE NOTES

1.1 ABOUT THIS DOCUMENT

This report provides information regarding a new software release version for the product DM985-100. The Release Notes also intends to inform relevant changes that have occurred in software, hardware, and documentation.

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 of DATACOM products.

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2   IMPORTANT NOTES

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

Feature	Description
PPPoE Client	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.
IP Host	Some IP Host status information may 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.
RG-Profile	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.

2.1   PROTECTION IN FIRMWARE UPDATE PROCESS

⚠️ The ONU **DM985-100 HW1** in firmware version **1.0.0** does **NOT** have protection against improper files in the update process. Incorrect updating of this ONU model will make the ONU unavailable for use, requiring the sending of ONU to DATACOM.

Details:

Normally, the process of updating the ONUs occurs with the sending of the Firmware file to an entire PON-Link of OLT. However, when the service provider has different models of ONUs on the same PON-Link, a special attention is necessary, because many ONUs do not have protection against incorrect files.

Therefore, when trying to update a ONU model by sending the firmware to an entire PON-Link, ONUs from other models that are in this PON-Link may suffer problems, because of the lack of protection against incorrect files.

What to do:

In the case of DM985-100, there is a restriction when DM985-100 HW1 is in **FW 1.0.0**. In this situation, the ONU DM985-100 needs to be update for firmware equal or higher than version **1.2.0**. After this update, it will be protected against undue files.

3   HARDWARE AND SOFTWARE COMPATIBILITY

3.1   RELEASED SOFTWARE

This session presents the software release details:

Product	Software Version	Filename
DM985-100 HW1	2.0.0	1183-05-DM985-100_HW1.bin
DM985-100 HW2 and HW3	2.0.0	1200-01-DM985-100_HW2_HW3.bin

3.2   PRODUCT COMPATIBILITY

The table below shows the product compatibility matrix stating the minimum hardware version, minimum software version, and minimum DmOS version of the OLT for the set to operate properly.

Product	Hardware Version	Software Version	OLT	DmOS Version
DM985-100 HW1	825.8005.xx	2.0.0	DM4160 DM4615	4.10.2
DM985-100 HW2	825.8011.xx			
DM985-100 HW3	825.8013.xx 807.3000.xx			

4   NEW FEATURES, SOLVED ISSUES AND RESTRICTIONS

This chapter lists the new features introduced in the release, enhancements, solved issues and known restrictions for this software release.

4.1   NEW FEATURES

Feature	Description
DMZ	Support for DMZ (Demilitarized Zone)
Transparent DNS	Support for DNS transparency between WAN-LAN interfaces
WebUI - CPU	Support for viewing CPU processing (in %) via WEB (Status menu)
WebUI – Memory	Support for viewing used memory (in%) via WEB (Status menu)

4.2   SOLVED ISSUES

Feature	Description	ID
UNI - VLAN	When changing the ONU configuration to receive TAGGED traffic that was previously UNTAGGED traffic, the user needed to re-provision the entire ONU at OLT. As of firmware 2.0.0, it is only necessary to reconfigure the UNI (Ethernet) for the desired VLAN.	128222
UNI - Native VLAN	When in Bridge mode and with Native VLAN configuration at UNI, the ONU only transmitted data through the Native VLAN. This prevented services with delivery of UNTAGGED and TAGGED traffic simultaneously to the end customer.	128179
Password	Changing the user's password was not persistent after the ONU reboot, returning the factory default password.	130699

4.3   RESTRICTIONS AND LIMITATIONS

Feature	Description	ID
Gem Traffic Profile	Gem Traffic Profiles from Datacom DmOS OLTs are not supported by this ONU model and version.	104036
IGMP/Multicast	IGMPv2 packets are not forwarded by the ONU. IGMPv3 works normally.	104037
IPv6	IPv6 Connection Status field always shows the Connected Status to WAN IPOE interfaces.	112599
RG-Profile	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
Throughput	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

5   SCALABILITY

See: 134.4916.07 - DM985 Datasheet