

DATACOM



# DM984-42X

ONU GPON

VERSION 4.1.2

RELEASE NOTES

## CONTACT

### TECHNICAL SUPPORT

DATAKOM 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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# 1 INTRODUCTION TO RELEASE NOTES

## 1.1 ABOUT THIS DOCUMENT

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

In addition, 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 into undesired performance.

It is assumed the reader is familiar with network protocols concepts and has previous knowledge about DmOS 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 Operational System - DmOS.

## 1.3 TEXT CONVENTION

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

Convention	Description
Hyperlink	Internet site or an e-mail address. It is also applied to indicate a local link inside the document itself (e.g. a chapter).
Terminal	System commands and screen outputs.
<i>Object</i>	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 important notes that should be observed when using the product.

Nota
The DM984-422 has Ethernet, FXS and wireless interfaces. The DM984-420 hardware has only Ethernet and FXS interfaces.
When using a WAN bridge with IGMP, should not be used other WAN interface (DHCP or PPPoE) with IGMP Proxy enabled.
Firmware upgrades from DM984-42X ONU models can be unstable when performed from OLT. It is recommended to upgrade the firmware from the WEB interface. In order to improve this operation, it is offered a script to auto realize this Upgrade. This script can be found via <a href="https://supportcenter.datacom.com.br/">https://supportcenter.datacom.com.br/</a> .

### 3 HARDWARE AND SOFTWARE COMPATIBILITY

#### 3.1 RELEASED SOFTWARE

This session presents the software release details:

Product	Release Version	Archive
DM984-42X	4.1.2	1077-UK-FW-v4.1.2-DM984_42X.bin

#### 3.2 PRODUCT COMPATIBILITY

The table below shows the product compatibility matrix stating the minimum hardware version, minimum software version and the minimum version of DmView (management software).

Product	Hardware Version	Software Version	OLT	DmOS Version
DM984-420	800.5162.04	4.1.2	DM461X	4.6.0
DM984-422	800.5156.02	4.1.2	DM461X	4.6.0

## 4 NEW FEATURES AND ENHANCEMENTS

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

### 4.1 NEW FEATURES

Feature	Description
WEB Interface Access	Some functions were blocked to the user <i>user</i> logged via WEB interface. This default user cannot access restricted configurations like the pages with WAN parameters configuration and VOIP and FXS setups, and others.
IPv4 Incoming Filtering	Possibility of the creation of IP filtering via RG-profiles, allowing to use a firewall in the WAN side and allowing management access to WEB interface via WAN side, configuring via OLT.
PPPoE Redial	Automatic retry to connect PPPoE when the ONU receives a connection rejection from the PPPoE server.

### 4.2 ENHANCEMENTS

Feature	Description	ID
Routing	Improvement in the internal routing mechanism of the VOIP, preventing failures when used a default route to a new IPOE WAN connection.	104839
WEB Interface VOIP	The apply button of SIP parameters configuration window now restarts its process, it is not necessary to stop and start manually after every configuration modification.	104338
IPv6	Improvement in the status of the WAN connections, the status now be shown separated to IPv4 and IPv6.	98665

## 5 SOLVED ISSUES AND RESTRICTIONS

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

### 5.1 SOLVED ISSUES

Feature	Description	ID
WEB Interface Access	Correction for the cases where after creating new interfaces groupings, the WEB access was blocked.	109295
POTS/VOIP	Correction for the field display-name when configured by OLT, the parameter was not configured and was not showed in the WEB interface.	104337
	Correction for the cases where was necessary to configure the fields sip-proxy and sip-registrar with the same valor in order to realize calls.	101512
System	Correction to the internal failure in the treatment of OMCI messages sent by OLT, in this case, the ONU was showed as Operational state DOWN and Primary state Active.	100418

### 5.2 RESTRICTIONS

Feature	Description	ID
Bandwidth control	The bandwidth control can be applied to the limit of 7 GEM ports when operating in router mode and in a limit of 3 GEM ports when in a bridge mode. Configurations in the bandwidth limit in GEM ports that exceed these numbers will not work.	--
Dial Plan	Commands started by [#] is not accepted when executed by a telephone connected to the ONU FXS interfaces. The [#] character can be used at the end of the command in order to start the call immediately.	--
Downstream mode	When native VLAN and COS parameters are configured in the VEIP interface by the OLT the ONU will add the VLAN information to the reader and will send it in the upstream direction. In the downstream direction, the ONU only will remove the header when receiving the exact same header (VLAN+COS) as configured. It can result in operational issues when the server sends frames with COS different from configured in the VEIP interface. In order to avoid this situation, do not use native VLAN in the VEIP interface, use it in the WAN service configured via WEB interface or via rg-profile.	96673
OSPF	It is not possible to forwarding OSPF frames through ONU operating in bridge mode.	94381



## 6 ESCALABILITY

See: 134.4085.06 - DM984 ONU - Datasheet

## 7 SOFTWARE UPGRADE

See: 204.4327.00 - User Manual - DM984 Family

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