

DATACOM



DmOS

DATACOM OPERATING SYSTEM

Version 5.0.2

RELEASE NOTES

204.4295.37 - January 21, 2020

Contacts

Technical Support

Datacom has available a support portal - DmSupport, to help the customers in use and config of our equipment.

Access to the DmSupport can be made through link: <https://supportcenter.datacom.com.br>

In this site the following are available: firmwares, technical datasheets, config guide, MIBs and manuals for download. In addition, it allows opening of calls for assistance with our technical team.

Telephone Number: **+55 51 3933-3122**

We would like to highlight that our assistance through telephone support is available from Monday through Friday from 08:00 AM through 05:30 PM.

Important: For support assistance 24x7, please request a quotation to our sales department.

General Information

For any other additional information, please visit the <https://www.datacom.com.br/en> or call:

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Product Documentation

This document is part of a set of documents prepared to provide all necessary information about DATACOM products.

Software Platform

- **Quick Configuration Guide** - Provides instructions on how to set functionalities in a quick manner in the equipment
- **Troubleshooting Guide** - Provides instructions on how to analyze, identify and solve problems with the product
- **Command Reference** - Provides all the commands related to the product
- **Release Notes** - Provides instructions on the new functionalities, identified defects and compatibilities between Software and Hardware

Hardware Platform

- **Datasheet** - Provides the Hardware and Software technical characteristics of product
- **Installation Guide** - Provides instructions on the procedures covering product installation

The availability of some documents can vary depending on the type of product.

Access <https://supportcenter.datacom.com.br> to locate the related documents or contact the Technical Support for additional information.



Introduction to the document

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.

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 DmOS.

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.
Menu > Path	GUI (Graphic User Interface) menu paths.
[Key]	Keyboard buttons.

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1 Important Notes

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

Note	Product
Increasing the number of objects or decreasing the interval between SNMP requests might lead to management latency or SNMP errors.	All
DmOS devices support autocorrection for occurrences of data corruption in memory. There may be cases after power outages or swings where the system cannot perform data autocorrection and may cause loss of logs or configurations.	All
To use management via DmView with the DmOS version 5.0.2 or greater it is necessary to update DmView to version 10.3 or greater.	All
The memory can be allocated by internal processes due to successive link-flaps. After flap stop, the memory will return to initial state. It is recommended to use the Link-Flap-Detection feature in ethernet interfaces.	All
VPN configurations that use the default MTU size configuration before DmOS 3.0.0 must observe the change in the default value from 1500 to 9198, which may cause a configuration mismatch.	All
It is possible to update all ONUs in a PONLink simultaneously provided that all ONUs are model equivalent. If there are ONUs of different models in a PONLink, it is not recommended to use the “all” parameter in command request firmware onu install <image> interface gpon <id> .	DM461X
It is not recommended to configure the snmp real-time option for more than 128 ONUs. Large scale monitoring can cause performance impacts, such as an increase in ONU status update time. When using the DM461X products (OLT GPON) and operating near the maximum supported ONUs by the platform, it is recommended that the SNMP requests interval is no lower than 15 minutes.	DM461X

2 Hardware and Software Compatibility

This chapter lists hardware and software compatibility for this software release.

2.1 Released Software

This session presents the software release details:

Product	Release Version
DmOS	5.0.2



DmOS 5.0 is the LTS release (Long-Term Support) for platform **DM4610 OLT 8GPON+8GX+4GT+2XS** (P/N 800.5081.xx). The platform will still receive maintenance releases based on DmOS 5.0, if necessary, with bug fixes. However, there will be no updates with new features. Other OLTs (DM4610-HW2 8-GPON and 4-GPON, DM4615), will still receive new features and bug fixes.

2.2 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	DmView Version
DM4610 OLT 8GPON+8GX+4GT+2XS	800.5081.03	1.4.0	9.7
DM4610 OLT 4GPON+4GX+2XS (HW2)	800.5193.01	2.4.0	10.0
DM4610 OLT 8GPON+8GX+4GT+2XS (HW2)	800.5165.01	2.2.0	10.0
DM4615 OLT 16GPON+4GT+4XS	800.5198.01	4.2.0	10.1
DM4170 24GX+4XS+2QX	800.5184.01	3.0.0	10.0
DM4170 24GX+12XS	800.5186.01	2.2.0	10.0
DM4360 4GT+4GX	800.5259.50	4.10.0	10.0
DM4370 4GT+4GX+4XS	800.5191.00	3.0.0	10.0
DM4380 12XS+3CX	800.5258.00	5.0.0	10.3
DM4050 24GT+6XS	800.5189.00	2.2.0	10.0
DM4050 24GX+6XS	800.5190.00	2.2.0	10.0
DM4250 24XS+2QX	800.5197.02	4.0.0	10.1
DM4270 24XS+2CX	800.5231.53	4.7.0	10.3

Product	Hardware Version	Software Version	DmView Version
DM4270 48XS+6CX	800.5213.53	4.9.0	10.3
DM4775 32CX	820.0015.00 820.0016.00	4.9.0	10.3

Bold items - new hardware platform available in the current version of DmOS.

2.3 Compatibility Between Software Versions

The tables below shows the compatibility matrix between firmware versions, including the notes for the firmware update process.

Software Upgrade

For **DM461x** platforms, the DmOS has the following compatibility matrix:

Platform	Initial Version	Mandatory Intermediate Versions				Final Version
DM461X	1.8.0 or lower	1.8.2	2.2.2	3.0.4	4.0.2	5.0.2
DM461X	1.8.2 to 2.0.4		2.2.2	3.0.4	4.0.2	5.0.2
DM461X	2.2.2 to 3.0.2	-	-	3.0.4	4.0.2	5.0.2
DM461X	3.0.4 to 4.0.0	-	-	-	4.0.2	5.0.2
DM461X	4.0.2 or higher	-	-	-	-	5.0.2

For **DM4050** platform, DmOS has the following compatibility matrix:

Platform	Initial Version	Mandatory Intermediate Versions				Final Version
DM4050	2.2.0	2.2.2	3.0.4	4.6.0		5.0.2
DM4050	2.2.2	-	3.0.4	4.6.0		5.0.2
DM4050	3.0.4 or higher	-	-	4.6.0		5.0.2
DM4050	4.6.0 or higher	-	-	-		5.0.2

For **DM4170** platform, DmOS has the following compatibility matrix:

Platform	Initial Version	Mandatory Intermediate Versions				Final Version
DM4170	2.2.0	2.2.2	3.0.4	4.6.0		5.0.2

Platform	Initial Version	Mandatory Intermediate Versions			Final Version
DM4170	2.2.2	-	3.0.4	4.6.0	5.0.2
DM4170	3.0.4 or higher	-	-	4.6.0	5.0.2
DM4170	4.6.0 or higher	-	-	-	5.0.2

For **DM4360** platform, DmOS has the following compatibility matrix:

Platform	Initial Version	Mandatory Intermediate Versions			Final Version
DM4360	4.10.0	-			5.0.2

For **DM4370** platform, DmOS has the following compatibility matrix:

Platform	Initial Version	Mandatory Intermediate Versions			Final Version
DM4370	3.0.0	3.0.4	4.6.0		5.0.2
DM4370	3.0.4 or higher	-	4.6.0		5.0.2
DM4370	4.6.0 or higher	-	-		5.0.2

For **DM4380** platform, DmOS has the following compatibility matrix:

Platform	Initial Version	Mandatory Intermediate Versions			Final Version
DM4380	5.0.0	-			5.0.2

For **DM4250** platform, DmOS has the following compatibility matrix:

Platform	Initial Version	Mandatory Intermediate Versions			Final Version
DM4250	4.0.0 or higher	4.6.0	5.0.2		
DM4250	4.6.0 or higher	-	5.0.2		

For **DM4270 24XS+2CX** platform, DmOS has the following compatibility matrix:

Platform	Initial Version	Mandatory Intermediate Versions			Final Version
DM4270 24XS+2CX	4.7.0 or higher	-			5.0.2

For **DM4270 48XS+6CX** platform, DmOS has the following compatibility matrix:

Platform	Initial Version	Mandatory Intermediate Versions	Final Version
DM4270 48XS+6CX	4.9.0 or higher	-	5.0.2

For **DM4775** platform, DmOS has the following compatibility matrix:

Platform	Initial Version	Mandatory Intermediate Versions	Final Version
DM4775	4.9.0 or higher	-	5.0.2

Notes

It is always recommend save the configuration before firmware update process. To save the configuration use the **save <archivo>** command.

In case of doubt, please call to DATACOM Technical Support.

Software Downgrade

Notes

The database of the older version, if available, will be restored. Any configuration changes made after upgrade to version 4.x or higher will be lost in the downgrade process. If the equipment has never received firmware other than 4.x, when downgrading the equipment will start with the factory setting.

From version 2.4.0 it is only possible to perform firmware downgrade to version 2.0.0 or 2.2.2. Firmware downgrade to older versions is not allowed by the system.

2.4 Compatibility of Electrical Modules

The table below shows the matrix about electrical modules support (SFP Copper) by each product line and which version initiated its support.



The SFP Copper supported has **377.7000.01** DATACOM code. DATACOM does not guarantee compatibility with other modules. Contact us for more information.

Product Line	Software Version
DM4610	2.2.0
DM4170	2.2.0
DM4050	2.2.0

Product Line	Software Version
DM4360	4.10.0
DM4370	3.0.0
DM4380	5.0.0
DM4250	4.8.0
DM4270 24XS+2CX	4.8.0
DM4270 48XS+6CX	4.9.0
DM4775	4.9.0

2.5 SSL Encryption Compatibility

The table below lists the OpenSSL versions for each software version and which version initiated its support.

Software Version	OpenSSL Version
1.4.2	1.0.1f
1.10.x	1.0.2j
1.12.0 to 2.2.0	1.0.2k
2.4.0 to 3.0.4	1.0.2l
4.0.0 or higher	1.0.2o

3 New Features and Enhancements

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

3.1 New Features

Feature	Description
-	-

3.2 Enhancements

Feature	Description	ID
Memory	Available memory increased about 200MB in DM4360 and DM4370 platforms.	M1453
TWAMP	In DM4775 and DM4270 platforms, TWAMP reflector supports up to 256 simultaneous test sessions. Test sessions above this limit are rejected by the reflector and sender will perform retries within a random interval between 20s and 40s until the session is established.	M2031

3.3 Commands Changes

Feature	Description	ID
MAC	Since 5.0.0 version, MAC addresses are not shown anymore in cpu-port in show mac-address-table command output.	M1398

4 Solved Issues and Restrictions

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

- **Solved Issues:** Fixed bugs in this version.
- **Hardware Platforms Restrictions:** DmOS Software restrictions on specific hardware platforms.
- **DmOS Software Restrictions:** Feature restrictions which are valid for all hardware platforms.

4.1 Solved Issues

Feature	Description	ID
GPON	Failure could occur when updating firmware of many ONUs at once in DM461x platforms.	126325
SNMP	SNMPv2-MIB::sysDescr OID returned incorrect equipment model for DM4360 and DM4380 platforms.	124890
SNMP	If a target was removed from SNMP configurations with more than one target, traps were not sent anymore.	125422
SNMP	SNMP queries in VRF could not be answered properly when the equipment was behind a firewall.	125568
TWAMP	When changing connection admin-state to down and up again, test-sessions are started randomly, not honoring the configured test-interval.	125496
TWAMP	After performing configuration load or equipment reboot, TWAMP reflector could not be functional.	125808

4.2 Hardware Platforms Restrictions

DmOS has the following restrictions for **DM4270** platform:

Feature	Description	ID
ACL	ACL action of PCP set is not being performed on DM4270 when QinQ is configure an interface.	112774
Inventory	When DM4270 platform is operating with two power supplies and the AC model is not powered, it's is not displayed in the inventory and it is not possible to identify a failure in the PSU.	111501 111502
VLAN Switching	DM4270 does not support in-Band management with a VLAN used in vlan-translate without having QinQ enabled in the interface.	-
VLAN Switching	VLAN translation with add action is supported only with QinQ enabled.	121103

DmOS has the following restrictions for **DM4050** and **DM4250** platforms:

Feature	Description	ID
Management Out-Band	DM4050 platform does not support 10Mbps in MGMT interface. For correct operation, 100 Mbps speed or higher must be used.	-
MDIX	On DM4050 24GT+6XS, the MDIX works in reverse in interfaces gigabit-ethernet 1/1/1, 1/1/5, 1/1/9, 1/1/14, 1/1/17 e 1/1/21 if it is configured as forced. MDIX works as expected when in automatic mode.	93744
MTU	The MTU value in GT and GX interfaces in platform DM4050 is actually 4 bytes smaller than the configured value when the interface is untagged.	107932
QoS - Policer	The Ingress Policer does not work on the interface with PCP mapping via ACL in DM4050.	102539
QoS - Policer	ARP Request packets can be dropped by the Ingress Policers on the DM4050 and DM4250 platforms.	104226
QoS - Scheduler	The weights configured in a QoS Scheduler are not respected in platforms DM4050 and DM4250 for broadcast traffic.	102641 102535
Transceivers	When enabling negotiation in 10G interface on the DM4250 platform the link will transition from UP to DOWN and then returning to UP, remaining stable.	116953
VLAN Switching	PCP copy in VLAN mapping operation is not supported in platforms DM4050 and DM4250.	109300
VRF	DM4050 platform does not support VRF.	-

DmOS has the following restrictions for **DM4360** and **DM4370** platforms:

Feature	Description	ID
LAG	Dynamic load-balancing mode is not supported.	-
SNMP	Dying Gasp SNMP traps are not sent for SNMP targets associated to mgmt VRF or user VRFs.	US90189 US90190

DmOS has the following restrictions for **DM4380** platform:

Feature	Description	ID
VLAN Switching	VLAN translation with add action is supported only with QinQ enabled.	121103

DmOS has the following restrictions for **DM4170** platform:

Feature	Description	ID
Power Supply	When removing the feed from a PSU, it could generate logs of removal/insert of both PSUs in DM4170 platform.	98883
Transceivers	On DM4170 the removal of a SFP and insertion of another one in an interface may not be identified if it is performed in less than 3 seconds.	109496

DmOS has the following restrictions for **DM461x** platform:

Feature	Description	ID
DmView	OLT stays in unknown status in DmView when there are provisioned ONUs, but no corresponding ONU physically present. As workaround, it is needed to add the following configuration line to nms.conf file in DmView: nms.nes.dmos.path.polling.toggle.enable=false.	125605
GPON	Packets with 1997 bytes or larger are not transmitted to ONUs, in downstream traffic.	121544
L2CP	On DM461x platforms, the L2 PDUs transparency in TLS services (service vlan type TLS) is enabled without the possibility of changing this behavior. For 1:1 and N:1 services (service vlan type 1:1 or n:1), L2 PDUs transparency is intrinsically disabled.	-
Transceivers	The GX interfaces of DM4610 and DM4610HW2 platforms do not support Copper SFPs at speeds of 10 and 100 Mbps. Some models of Copper SFPs can operate at speeds of 1 Gbps, but are not homologated by DATACOM.	-
TWAMP	DM461x platforms do not support TWAMP.	-
VRF	DM461x platforms do not support VRF.	-

DmOS has the following restrictions for **DM4775** platform:

Feature	Description	ID
VLAN Switching	VLAN translation with add action is supported only with QinQ enabled.	121103

4.3 DmOS Software Restrictions

Feature	Description	ID
ACL	There is not no support to filters in service-ports, only in PON links.	-
ACL	Broadcast and DLF traffic will be forwarded to CPU even when there is an ACL blocking it.	122376

Feature	Description	ID
ACL	ACLs do not work with VRF IP address.	126031
Aging Time	There is no support to aging time configuration per interface, VLAN ID , Routed-MACs or specific MAC addresses.	-
Assistant-task	If there is a show command in the script, the next commands are not executed.	121680
Banner	On banner configuration, the \ character (backslash) operates as an escape character. To display this character, you must insert two backslash (\\).	110584
BGP	In BGP neighbors BGP with same IP address, in distinct VRF, it is not possible configure different passwords to the same neighbors.	107516
BGP	Autocomplete does not work for show ip bgp vrf neighbor command.	114292
BGP	Possibility of coredump if user to run commands immediately after booting the system.	113454
Booting Process	During the initialization of equipment, if a commit is executed, it might show the "Database is Locked" message until all modules are applied	-
CFM	When adding a interface that blocked by CFM to a LAG that is also blocked by CFM, it can be unblocked.	124046
CFM	Communication between MEPs may not work, being necessary to remove the CFM configuration and reapply it.	119632
CLI	"show" and "commit" commands may fail if executed shortly after booting the system due of software modules initialization.	116016 116017 116417
CLI	show configuration diff command can crash requiring the user execute a CTRL+C to return to the CLI.	94385
CLI	The compare file command returns error when device has active license.	113068
CLI	The select option of CLI filter does not work for some commands.	95478
DmView	Status of some protocols are not shown in DmView (Info/Config).	90961
EAPS	When several EAPS instances are operating, new instance activation might take several minutes to be applied after commit. In this time interval the CLI is blocked for the operator until the creation process and apply is finished.	88879
EAPS	It is not recommended using more than 8 EAPS instances in the same ring.	-
EAPS/ERPS	To have commuting times of about 50ms with protocols ERPS and EAPS, it should be used at most 4 instances in the same ring.	-

Feature	Description	ID
Firmware Update GPON	After version 4.0.2 it may occur configuration loss of GPON interfaces when upgrading from a firmware version before 4.0.2. To prevent this situation, check Compatibility between software versions section must be followed. It is also possible that third-party tools reveals incompatibility issues when using NetConf protocol to access the equipment and, in these cases, the GPON interface keys must be adjusted.	-
GPON Autoprovisioning	Alarm of autoprovisioning may get stuck under some configuration conditions of GPON interface.	99261
GPON Autoprovisioning	Automatic deprovisioning of ONUs is not supported.	-
GPON Counters	There is no support to VEIP and GEM counters.	-
GPON Ethernet UNI	ONU profiles do not automatically create the Ethernet interfaces.	-
GPON Flood Blocking	Support to flood blocking only in Service-VLAN type N:1.	-
GPON IP Spoofing	There is no support to disabling the IP Spoofing mechanism in GPON interfaces.	-
GPON IP Spoofing	Double tag traffic will only work with allowed ip all rule applied to the service-port.	-
GPON IP Spoofing	DHCP client negotiates and receives IP address, however, the rule is not created in allowed IP list because all filters are occupied in equipment.	84870
GPON Multicast	IGMP is only possible in N:1 VLAN type.	-
GPON ONU	Possibility of error like Restarting CLI when executing "shutdown" followed by "commit" in a UNI interface of ONU.	87508
GPON ONU	Dying Gasp is not supported for ONU SPF TEO-GNUK-S20B.	87508
GPON PON Interfaces	It is not possible to execute some commands of GPON when using a range of GPON interfaces.	121034

Feature	Description	ID
GPON PON Interfaces	PONLINK LOS alarm generation eventually fails, without any further impact to the PONLINK, when the fiber is reconnected or other PONLINKs in the equipment. ONU LOSi alarms are generated normally during this error. The issue happens when there is an intermittent connection between the fiber and the ONT and after reconnecting the fiber to the PONLINK the system operates normally.	98392 103378
GPON POTS	There is no support to shutdown POTS UNI interface.	-
GPON SIP Profile	There is no support to Call ID and Call forwarding configuration.	-
GPON SIP Profile	SIP server port is fixed as 5060.	-
GPON SIP Profile	It is allowed to configure the field display-name in a SIP agent profile with a string greater than 25 character, but the only first 25 characters are used.	108932
Interfaces	The show interface link command does not show port blocking state.	-
Interfaces	Commit warnings are not generated if changes are made to a range of interfaces rather than a specific interface.	99138
Interfaces	During the initialisation of DM4610 or DM4615 equipment, its interfaces may go to UP for 30 seconds even if the interfaces are in "shutdown" administratively.	91475
IP Routing	Unable to execute "show ip ..." commands on two CLI sessions simultaneously. It is necessary to wait for the execution of the command before executing another.	M1253 M1254
LAG	If a equipment does not have MPLS settings and MPLS packets pass through a LAG of this equipment, the traffic will not be balanced properly.	US86449
LAG	A LAG stays up even it has less active interface than defined in minimum-active links if this setting is made only one side of the link. To operate correctly, the minimum-active links must be configured on both sides.	105313
LDP	There are no support to LDP Allocation mode Independent, LDP Encapsulation mode explicit-null, LDP Distribution mode On Demand, LDP Retention mode Conservative.	-
LDP	It is not possible the change the loopback IP address and enable the LDP protocol in a single commit.	105554
LDP	When the ARP packets forwarded to the CPU is over than rate limit configured for the interface, the LDP sessions might not be established.	M43 M778

Feature	Description	ID
LLDP	When a packet with an invalid TLV is received, the valid content of the packet may be discarded and no neighbor information is displayed.	121683
License	In equipment with MPLS license enabled, it could occur a failure when loading a configuration file with load override.	106007
License	When disabled the MPLS license with an invalid key, it will be displayed a error messaged as if the user was trying to enable the license.	106237
L2VPN	The show mpls l2vpn counters commands does not support autocomplete of the parameters.	M841
L2VPN	The show mpls l2vpn hardware command works only for VPWS.	US78815
L2VPN	During traffic convergence in network with interoperability with non Datacom equipment, the pseudowire may fail (L2VPN).	M1360
L2VPN	When there is a lag interface with LACP as a VPWS or VPLS access, the VPN counters are incremented by LACP control packets.	99727
L2VPN	Broadcast, multicast and unknown unicast packets are duplicate and counted twice in the VPN VPLS ingress counters. The duplicate packet is discard and the interface discarding counter is incremented.	-
L2VPN	VPN access interface counters can be incremented even when TX traffic is discarded.	121403
L2VPN	GMRP protocol BPDUs do not pass through VPLS, even with TLS enabled.	120568
L2VPN	Uplink interface counters (with OSPF and LDP enabled) used by VPLS incremented the discarded packets counters for multicast and broadcast traffic.	119195
L2VPN	After an equipment reboot or LAG member changes in a port-based VPN with LAG as access port, the VPN will stop forwarding traffic. As workaround, the VPN should be disabled and enabled after reboot. For LAG configuration changes, the VPN should be first disabled and then enabled.	124896
L3VPN	When a VRF interface is specified as a ping source, the IP address used as the source of the packet it not necessarily the address of the interface. The source interface will only specify in which VRF the ping will be executed.	-
L3VPN	It is not possible to change VRF name of an existing BGP instance.	113503
MAC Addresses	The show mac-address-table command presents invalid parameters in autocomplete of CLI.	91495
MAC Addresses	The show mac-address-table type static command shows all entries of MAC table.	91496

Feature	Description	ID
Management In-Band	Support only MTU equal to 1500 bytes.	-
OSPF	It's not possible show details of a specific OSPF neighbor. Through of show ip ospf neighbor detail command, it is possible to check all neighbors simultaneously.	91647
OSPF	If OSPF configuration was removed and reinserted with area index changed in a single commit, it is need to reinserted the L3 interface in OSPF configuration.	96565
OSPF	OSPF ajacencies in the same physical port cannot have different passwords.	123939
OSPF	In a equipmet with VRF leaking and redistribute BGP in OSPF, it is not possible ping directly connected addresses.	123157
Ping	Ping does not for work for local address destination when it is specified a source address.	105307
Ping	Ping statistics are not shown when its execution is interrupted with CTRL+C.	121814
Radius	RADIUS authentication for IPv6 management is not supported.	F1618
SCP - Passwords	When the password has special characters, you must enter the password in single quotation marks (") or use the wizard mode (enter the command without entering the password parameter so it will be prompted and then no quotation marks are needed).	90301
Sensors	Possibility of error log from sensors of equipment.	117219
SNTP	Packet from SNTP SNTP server version 4 or earlier are discarded.	124339
SSH	It's possible occurs Error: application timeout message when to try generate SSH key. On retry the problem will not occur.	113272
Syslog	Possibility of coredumps when performing load override command for load some specific configuration.	117306
System Memory	Memory can be allocated by internal processes due to successive link-flaps. After flap stop, the memory will return to initial state. It is recommended to use Link Flap Detection functionality in ethernet interfaces.	96296
TACACS+	TACACS+ authentication for IPv6 management is not supported.	F1620
TACACS+	Accounting only works when the authentication if performed by TACACS+.	DE20015
TACACS+	Command with more than 243 characters are not sent to the accounting server.	111614
TACACS+	Commands may not be registered in the accounting server when the command is executed and the user immediately logs out.	111435
TACACS+	ERROR message generated in log when applying configuration of Banner using the multiline mode.	111616

Feature	Description	ID
TACACS+	Commanded reject by TACACS+ server are being registered in the accounting log.	122945
Transceivers	Order of transceivers is not displayed in ascending order on command show interface transceivers .	99257
Transceivers	100M optical transceivers are not supported.	-
Transceivers	Log of link UP is generated whenever an SFP Copper is inserted even without physical cable.	94344
Transceivers	RX-LOS information from transceivers is not forwarding correctly through NETCONF, so DmView does not displays the correct status of transceivers.	110403
Transceivers	For specific 1000Mbps electric transceiver models, if the partner supports only 100Mbps or 10Mbps speeds, link is not established if autonegotiation is enabled.	121805
TWAMP	Coherence messages of TWAMP configuration do not display full information.	116188
VLAN Switching	There is no support to TPID configuration.	-
VLAN Switching	The user cannot configure tagged or untagged members in VLAN ranges in a one-line CLI command.	90401
VLAN Switching	Many time necessary for manipulation, show and commit of large amount of VLAN.	91367 99040 116112 116179 116724
VRF	SNTP and Syslog services are not supported in VRFs.	M1264
VRF	The address specified by the source parameter in the ping command is not respected when in VRFs.	120791
xSTP	RSTP does not work if dot1q is not configured.	88154
xSTP	There is no support to BPDU options like: BPDU Guard and BPDU Filter.	F497 F898 F897 F1619
xSTP	STP does not work with EAPS configured in the same interface.	-

5 Scalability

For scalability values per platform, check document DmOS – DmOS Datasheet.

6 Document Versions

The following table lists all documents for DmOS products. DATACOM do not recommend the usage of previous versions.

6.1 Software Platform

Document	Version
DmOS - Troubleshooting Guide	204.4293.08
DmOS - Quick Configuration Guide	204.4292.16
DmOS - Command Reference	204.4284.24
DmOS - Datasheet	134.4918.07

6.2 Hardware Platform

Document	Version
DM4610 - Installation Guide	204.4291.04
DM4615 - Installation Guide	204.4323.02
DM4050 - Installation Guide	204.4281.01
DM4250 - Installation Guide	204.4312.01
DM4170 - Installation Guide	204.4308.03
DM4360 - Installation Guide	204.4337.00
DM4370 - Installation Guide	204.4314.01
DM4380 - Installation Guide	204.4336.00
DM4270 - Installation Guide	204.4331.01
DM4775 - Installation Guide (Portuguese only)	204.0337.00

Legal Note

In spite the fact that all the precautions were taken in development of the present document, DATACOM shall not be held responsible for eventual errors or omissions as well as no obligation is assumed due to damages resulting from the use of the information included in this guide. The specifications provided in this manual shall be subject to changes with no prior notification and are not acknowledged as any type of contract.

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Warranty

DATACOM's products are covered by a warranty against manufacturing defects during a minimum period of 12 (twelve) months including the legal term of 90 days, as from the date of issue of the supply Nota Fiscal (Invoice).

Our warranty is standard counter warranty, this means, for exercise of the warranty, the customer should send the product to DATACOM Authorized Technical Assistance with paid freight. The return freight of the equipment will be DATACOM responsibility.

To obtain additional information, see our warranty policy in <https://www.datacom.com.br/en>.

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