



Vodafone MachineLink 4G Lite

Release Notes

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Document history

Ver.	Document Description	Date
1.0	Initial document release	27 th August 2018
1.1	Updated for v2.0.83.0	27 th February 2019
1.2	Updated for v2.0.90.0	5 th August 2019
1.3	Updated for v2.0.98.0	15 th November 2019
1.4	Updated for v2.1.10.0	4 th February 2021
1.5	Updated for v2.1.20.0 Added new NWL-227 SKU.	20 th December 2021
1.6	Updated for v2.1.20.0_C	4 th March 2022
1.7	Updated for v2.1.21.0	30 th March 2023
1.8	Updated for v2.1.24.0 Removed NWL-227 SKU.	10 th November 2025

Release information

Item	Details
Product code	NWL-221-01-01, NWL-222-01-01, NWL-224-01-01
Router firmware version	2.1.24.0
Firmware file for: NWL-221-01-01 NWL-222-01-01 NWL-224-01-01	vdf_nwl220_2.1.24.0.signed.cdi MD5: 0e97e01f33fc9595b2f08328d7ac1914
Firmware file size	70.7 MB
Date	10 th November 2025

v2.1.24.0

New features

- LDAP support and IO pulse support (AC- 439, 843)

Enhancements

- Web user interface improvements (AC-453,890,857,453,448,518,820,722,805,796,902,901,933, 1046)
- Security improvements related to EN18031-1:2024 (AC-383,875,383,869,877,879,818,866,860, 868,781,824,799,851,823,461,801,770,773,712,696,698,702,707,708,718,721,905,911,913, 909,903,913,899)
- Improvement to firmware upgrade process (AC-865,825,797,904,890,906,912,948,952,957)
- FTP over WWAN improvement. (AC-891,892)
- Log capturing improvement (AC-778,777)
- Event notification history page improvement (AC-511)
- Resolution to APN configuration and 4G network attachment issue (AC-398)
- Improvements to Ping Watchdog. (AC-205)
- Firmware upgrade via TR-069 fix (AC-999)
- Improvements and fixes related to PRL and webpages (AC-1037)

v2.1.21.0

New features

- New LwM2M object to clear uploaded/cached files (AC-71)
- New LwM2M object to retrieve LwM2M connection default APN (AC-72)
- New LwM2M object to retrieve the connected DHCP clients (AC-75)
- New LwM2M object to retrieve the device model (AC-76)
- New LwM2M objects to download and upload config files (AC-80)
- Added additional LwM2M objects support (AC-77)

Enhancements

- LwM2M functionality improvements (AC-67,68,69,70,108,130)
- Security improvements (AC-78,79,103,104,105,106,107)
- Updated the SDK User Manual (AC-112)

v2.1.20.0

New features

- LwM2M PSK field now supports text (TT#42728)
- New Vodafone LwM2M default settings are added (TT#42084)
- New 'Cipher Selection' and MTU menus are added to the OpenVPN page (TT#42648)
- Additional custom objects have been added to the LwM2M feature (TT#42610)
- LwM2M feature is now turned off by default (TT#42682)
- Added eUICC support through the latest module firmware files
 - NWL-221: version 06A04M4GA
 - NWL-222: version 06A06M4G_20.002.20.002
 - NWL-224: version 05A05M4G_30.001.30.001

Enhancements

- LwM2M Anjay library has been upgraded to version 2 (TT#41921)
- LwM2M functionality improvements (TT#42821,42682,42671,41925,42823)

- Modernised some terminology (TT#42703)
- Cosmetic improvements (TT#42679,42342)
- Security improvements (TT#42638,42617,42553,42088,41924,41923,41922,42904)
- Extended operational lifetime of flash memory through improved 'system.stat' writing interval (TT#41935)
- Updated module configuration to maintain normal operation on AT&T's network post 3G sunset (TT#42693)
- Included the LwM2M enhancements IPK v1.3 (Jira# AC6)

v2.1.10.0

New features

- Data Profiles now support IPv6 and IPv4v6 PDP types
- Added an Intrusion Prevention System (IPS) firewall feature
- Added Serial port data status feature
- Added 'Site and location' feature
- Added a new set of LwM2M objects to the LwM2M client

Enhancements

- Fixed a LwM2M Queue mode update issue (TT#37761)
- Fixed an issue with sending PDP credentials (TT#39672)
- Improved the LwM2M client's functionality (TT#40782,40810,40811)
- Fixed an issue with "system.time.source" rdb variable reporting a blank value for network time source (TT#41365)
- Updated the PLMN list (TT#41534)
- Security enhancements (TT#s 41694, 40777, 40778, 39715)
- Cosmetic enhancements (TT#41428)

v2.0.98.0

Enhancements

- Improved the overall security of the device (TT #25134, TT #25137, TT #39029)
- Fixed a problem with the Ethernet port not connecting at 10Mbps (TT#39027)
- Added PADD functionality (TT#38773)
- Fixed an issue with LwM2M ID not being persistent (TT#38261)
- Cosmetic enhancements to web interface (TT# 24917, TT#39165, TT# 25194, TT# 24162, TT# 24165)
- Improved network and band selection behaviour (TT# 25671, TT# 25742, TT# 25190, TT# 25079, TT# 24166, TT# 24275)
- Added a 4G RSRP threshold field to the SIM Failover's *Switch from External /Internal SIM On Weak Signal* option. (TT# 25189)
- Improved Recovery mode functionality (TT# 24913, TT# 24915)
- Fixed issue where OTG external storage was not found. (TT# 24921)
- Added GEA1/ & 4 Cipherring algorithm's module command to firmware. (TT# 25000)

v2.0.90.0

Enhancements

- Improved the overall security of the device (TT# 25138)
- Added a unique default web interface password specific to each device (TT# 25139)
- Cosmetic enhancements to web interface (TT# 38594, 38611)

v2.0.83.0

Enhancements

- Improved network and band selection behaviour. (TT# 24918, TT# 25670)
- Cosmetic enhancements to web interface (TT# 25764)
- Special characters can be used in special APNs. (TT# 24223)