TQ3403 Wireless Access Point
Version 11.0.6-0.1 Software Release Notes

Read this document before using the management software. The document has the following sections:

Supported Platform

The following access points support version 11.0.6-0.1:

- ❒ TQ3403
- ❒ TQm3403

The firmware filename is:

- ❒ AT-TQ3403-11.0.6-0.1.img
- ❒ AT-TQm3403-11.0.6-0.1.img

For instructions on how to upgrade the firmware on the TQ3403 access point, see the TQ3403 *Access Point Installation Guide* at **www.alliedtelesis.com/library**.

New Features

Here are the new features for the TQ3403 access point version 11.0.6-0.1:

- ❒ Support for wireless client connection management based on RSSI values. This feature allows APs to disconnect wireless clients whose RSSI falls below a configurable threshold and prevent then from reconnecting until signal strength improves using the Disconnect Low-Signal Client setting.

  Disconnect Low-Signal Client can be enabled on the following page:

  Settings > VAP/Security > Advanced Settings

- Support for the customization of the MAC address used in the Calling-Station-ID. This is an attribute that the AP sends to a RADIUS server.

  The format can be changed to one of the following:

  1. Lowercase only (e.g., 00-10-a4-23-19-c0)
  2. No octet separators (e.g., 0010A42319C0)
  3. Lowercase with no octet separators (e.g., 0010a42319c0)

  The Calling-Station-ID format can be changed on the following pages:

  Settings > VAP/Security > MAC Access Control

  Settings > VAP/Security > Security.

Resolved Issues

Here are the resolved issues for the TQ3403 access point version 11.0.6-0.1:

- If clients in different VLANs connected to the same wireless AP, communication between them may have become unavailable when the following features were enabled:
  - Dynamic VLAN
  - AMF Application Proxy
  - Virtual IP address for Captive Portal
  - LAN2 Port Settings (Static LAG, Cascade, LACP)
  - WDS (Wireless Distribution System)
  - AWC-CB (Channel Blanket)
- With Radio3 enabled, repeatedly clicking the “Save & Apply” button resulted in a “System is busy” error message being displayed, after which the configuration could no longer be applied.

Known issues

Here are the known issues for the TQ3403 access points version 11.0.6-0.1

- The Radar Detecting Channel List is cleared when a radio setting is changed.
- The LAN port takes approximately 30 seconds to start communications after it links up.
- The LAN port on the access point that is powered from the AC adapter takes approximately one minute to link up when the Ethernet cable is disconnected and connected.
- On the Legacy Rates on the Advanced Settings page for Radios, you must deselect rates lower than the selected minimum basic rate.
  - The basic rate for Radio 1 can be 1, 2, 5.5, or 11.
  - The basic rate for Radio 2 can be 6, 12, or 24.
- On the Neighbor AP page in Monitoring, the security is displayed as WEP even when the security is set to OSEN. OSEN is a security option and can be selected when Passpoint is enabled.

- Communications via IPv6 fail on VAPs with Dynamic VLAN enabled when IP auto-configuration of IPv6 Router Advertisement is enabled.
- Even when only the primary RADUIS server is specified, a following log might be issued: “RADIUS No response from Authentication server IP ADDRESS:PORT - failover.”
- If a wireless client in the power saving mode does not respond to the access point, it disconnects the wireless client even before the inactivity timer expires.
- When Vista Manager EX applies a configuration to the access point, the LAN port on the access point goes down for three seconds.
- Vista Manager EX occasionally fails to manage the access point right after the access point boots up.
- Packet losses or communication delay may occur for approximately ten seconds when Neighbor AP Detection is enabled. Leave Neighbor AP Detection disabled if you need to avoid the communication interruption.
- When the access point is configured as a part of the Wireless Distribution System (WDS), enabling both MAC Access Control and Fast Roaming (IEEE802.11r) on the access point is not supported.
- The access point with Management VLAN Tag enabled and VLAN ID set to 1 continues to communicate for several minutes even after the VLAN setting of the port on the switch connected to the access point is changed from Tagged 1 to Untagged 1.
- Single-byte spaces can be entered in the URL field for Captive Portal.
- The walled garden wildcard entry is case sensitive.
- When IEE802.11k is enabled, for some access points with Hidden SSID enabled, information is not shared correctly.
- A wireless client’s RX rate is shown as rounded down on Vista Manager EX.
- A beacon will be transmitted with maximum power even when the transmission output power on Radio 1 is set to "Medium".
- IEEE802.11r fast roaming is not supported with the following:
  - WPA Enterprise > Dynamic VLAN
  - AMF Application Proxy
- With Management Frame Protection (MFP) enabled on a VAP, if a duplicate AUTH packet is received, negotiation between the MFP and client will fail. The client will be disconnected, however sometimes a disconnection log will not be output.
- When external page redirection is enabled for web authentication, a wireless client that has not yet completed web authentication may occasionally experience communication interruption from the AP when accessing an HTTPS page registered in the walled garden. This results in a certificate warning being displayed.

  If the warning screen appears, click Continue or refresh the page.
- Pre-authentication does not work when the following features are enabled:
  - LAN2 settings (Static LAG / LACP / Cascade)
  - WDS
  - Dynamic VLAN
  - Virtual IP address for web authentication

- AMF Application Proxy

The features operate normally otherwise.

- ❒ In environments where a total of 60 or more FQDN entries are registered in the web authentication walled garden, if communication failures or excessive latency occur between the AP and the DNS server, processing related to web authentication on the AP is delayed. The web authentication function may then fail to operate correctly.

  This issue is automatically resolved once communication between the AP and the DNS server is restored or improved.

  Enabling the DNS proxy for the walled garden can be used as a workaround to avoid this issue.

- ❒ When using IEEE802.11n or a later wireless standard, Wi-Fi Multi Media (WMM) will not be disabled, despite being set to 'disable' in its configuration.

Limitations

Here are the limitations for version 11.0.6-0.1:

- ❒ Wireless Distribution System (WDS) and MU-MIMO / OFDMA cannot be enabled at the same time.
- ❒ When Dynamic VLAN is enabled, SNMP cannot get the value of OID 1.3.6.1.2.1.17.4.3.1.1 (MAC address information).
- ❒ Fast Roaming with Enabling Over the DS on Radio 3 (6GHz) is not supported.

Limitations on Performance

Here are the performance limitations for version 11.0.6-0.1:

- ❒ Communication sessions between the AP and wireless clients are registered in a high-speed communication table. However, if the table exceeds the maximum of 4096 entries, communication will then be performed by the CPU resulting in a drop in performance.

  The sessions will then be registered using the following information:

  - Source IP address
  - Source port number
  - Destination IP address
  - Destination port number
  - Transport protocol (UDP/TCP)

  When the table maximum is exceeded, the following log will be output:

  kernel notice:ECM connection count exceeds 4096.

  When this occurs, it is recommended to either:

  - reduce the number of wireless clients connected; or
  - place the APs closer together.

Supported Countries

The TQ3403 access point continues to support the following countries:

- ❒ Australia
- ❒ Austria
- ❒ Belgium
- ❒ Bulgaria
- ❒ Croatia
- ❒ Cyprus
- ❒ Czech Republic
- ❒ Denmark
- ❒ Estonia
- ❒ Finland
- ❒ France
- ❒ Germany
- ❒ Greece
- ❒ Hungary
- ❒ Ireland
- ❒ Italy
- ❒ Japan
- ❒ Latvia
- ❒ Lithuania
- ❒ Luxembourg
- ❒ Malta
- ❒ Netherlands
- ❒ New Zealand
- ❒ Poland
- ❒ Portugal
- ❒ Romania
- ❒ Singapore
- ❒ Slovakia Republic
- ❒ Slovenia
- ❒ Spain
- ❒ Sweden
- ❒ Taiwan
- ❒ United Kingdom
- ❒ United States

Contacting Allied Telesis

If you need assistance with this product, visit the Allied Telesis website at **www.alliedtelesis.com/services**.