Milesight Industrial Router Technical FAQ

Network & Celluar

Version V1.0



1. How does the router restore the connection when the cellular network is disconnected?

When the cellular network is disconnected, the router automatically detects the connection failure and attempts to re-establish the connection.

Once the cellular network becomes available again, the router will automatically switch back to the cellular link according to the configured Failover policy, without requiring manual intervention.

The recovery time depends on the carrier network and the local network environment. It typically ranges from tens of seconds to several minutes and may vary depending on the specific scenario.

2. Does the router support automatic network fallback and recovery, such as switching from 4G to 2G/3G and back to 4G?

Yes. Milesight industrial routers can automatically select an available cellular network based on the current network conditions.

When the 4G network is unavailable, the router can fall back to a 2G/3G network to maintain connectivity. Once the 4G network becomes available again, the router will automatically re-register and switch back to the 4G network.

3. Do Milesight 5G products support both NSA and SA modes?

Yes. Milesight 5G products support both NSA (Non-Standalone) and SA (Standalone) modes, making them compatible with different 5G network deployments.

Currently, both UR75 and UF51 support NSA and SA networks.

4. Do Milesight routers support Private 5G networks?

Yes. Milesight industrial routers can connect to Private 5G networks.

Compatibility mainly depends on whether the frequency bands and network configurations used by the Private 5G network are supported by the router.

Before deployment, it is recommended to confirm the frequency bands used by the Private 5G network and verify that they match the bands supported by the router.

5. Can the router scan all carriers and their signal strengths in the area and generate a report?

No. Milesight routers can scan for available cellular networks nearby and register with a network, but they do not support scanning all carriers and their signal strengths in the area and generating a report.

If your project requires this functionality, please contact the Milesight sales or technical team with your specific application requirements. We can help evaluate a suitable solution.

6. Does the UR75 support multicast forwarding from WAN to LAN?

No. The UR75 currently does not support Multicast/IGMP, so multicast traffic cannot be forwarded from WAN to LAN.

If your project requires this functionality, please contact the Milesight sales or technical team with your specific application requirements. We can help evaluate a suitable solution.

7. Does the UR75 support Carrier Aggregation (CA) for both 4G and 5G networks?

Yes. The UR75 complies with 3GPP Release 15 and supports Carrier Aggregation (CA) for both LTE (4G) and NR (5G) networks.

The actual supported CA combinations depend on the cellular module capabilities, carrier network configuration, and local network deployment.

8. Does Milesight offer a 4G cellular module that supports LTE Band 31?

No. Milesight currently does not offer a 4G cellular module that supports LTE Band 31.

If your project requires Band 31 support, please contact the Milesight sales or technical team with your specific application requirements. We can help evaluate a suitable solution.