Milesight Industrial Router Technical FAQ

Reliability & Environmental

Version V1.0



1. Is the UF51 waterproof and protected against lightning?

Yes. The UF51 has an IP67 protection rating, providing effective protection against dust ingress and temporary water immersion, making it suitable for outdoor and harsh-environment deployments.

For electrical protection, the UF51 supports surge protection, which helps reduce the risk of damage caused by transient overvoltage.

However, the UF51 itself is not a dedicated lightning protection device and cannot replace external lightning protection measures such as lightning rods or surge protective devices (SPDs).

For deployments in areas with frequent lightning activity, it is recommended to install proper grounding and additional lightning protection devices in accordance with local regulations to improve overall system reliability.

2. What happens if the ambient temperature exceeds the router's rated operating temperature?

Operating the router outside its specified temperature range may affect overall performance and stability, particularly the cellular connection.

In high-temperature environments, issues such as unstable cellular network registration, connection interruptions, or abnormal data transmission may occur and affect normal communication.

To ensure long-term and stable operation, it is recommended to install and operate the router within the operating temperature range specified in the product datasheet.

3. Can Milesight routers operate at altitudes of up to 5,000 meters?

Yes. For Milesight industrial routers, high-altitude environments mainly affect the insulation performance and power conversion efficiency of the power adapter, rather than the functionality of the router itself.

The power adapters provided by Milesight can currently operate at altitudes of up to 5,000 meters. Therefore, the routers can generally operate normally in applications at altitudes of 5,000 meters or below.

For deployments above 5,000 meters or in other special environments, please contact the Milesight sales or technical team to confirm the specific deployment conditions.

4. Is the UR75 resistant to vibration?

Yes. The UR75 has passed relevant vibration tests and is suitable for industrial application environments.