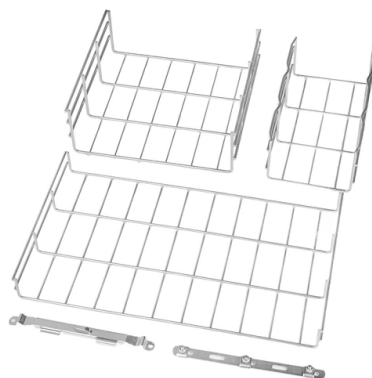


Low Temperature Resistance Quotation for Aggregation Switches



Overview

LOW TEMPERATURE RESISTANCE SELECTION GUIDE FORView results and find low temperature resistance selection guide for security-grade aggregation switch datash.

Key Takeaways

Low-temperature resistant aggregation switches require verified operation at extreme cold, robust ingress protection, and reliable supplier validation to ensure uninterrupted network performance.Key Technical Considerations

Operating Temperature Range: Ensure the aggregation switch is rated for extreme cold, ideally -40°C or lower, to prevent failures in harsh environments . Electrical Ratings: Confirm that voltage and current ratings meet your application requirements with a safety margin to avoid overloads or malfunctions . Ingress Protection (IP) Rating: High IP ratings, such as IP67, are critical to prevent moisture ingress that could freeze and immobilize the switch mechanism . Performance Validation: Request test reports or certifications demonstrating reliable operation under low-temperature conditions. Compliance with IEC, UL, or other international standards ensures safety and performance . Mechanical and Material Considerations: For switches with moving parts, inquire about actuator spring materials and contact bounce performance at target temperatures to maintain consistent operation .

Supplier Selection Criteria

- Experience: Prefer manufacturers with over 10 years of experience in low-temperature applications to reduce operational risk .

- **Track Record:** Evaluate past deployments in similar environments to ensure reliability.

- **Total Cost of Ownership:** Consider installation complexity, maintenance, and potential downtime costs, not just unit price .

- **Minimum Order Quantity (MOQ):** Ensure the supplier can accommodate your production or prototype volume needs .

Example Aggregation Switch Options

- **Cisco Catalyst WS-C4500X-24X-ES:** 24 x 10GE ports, supports link aggregation for redundancy and bandwidth enhancement .

- **Huawei CloudEngine S6730-H24X4Y4C:** 24 x 10GE SFP+ ports and 4 x 25GE SFP28 ports, modular design for scalable aggregation .

- **Ruijie RG-S5760C-48SFP4XS-X:** 48 x GE SFP ports with 4 x 10GE uplinks, suitable for high-capacity enterprise aggregation . These switches support Layer 2 and Layer 3 capabilities, QoS, VLANs, and port mirroring, making them suitable for demanding network environments. For low-temperature applications, confirm with the supplier whether these models have been tested or can be customized for cold-resistant operation .

Quotation Request Tips

- Specify required operating temperature range and IP rating.

- Include port speed, number of ports, and modularity requirements.

- Request performance validation reports for low-temperature operation.

- Ask for lead time, MOQ, and warranty terms.

- Consider long-term support and maintenance services in the quotation. By combining these technical specifications with supplier validation, you can obtain a reliable quotation for aggregation switches that will perform effectively in low-temperature environments.

Article Content

Aggregation Switch | 10G Fiber Backbone | Omada Store

Equipped with all-fiber ports, Omada Aggregation Switches deliver up to 10 Gbps. With advanced features such as Static Routing,

Actelis Managed Hardened Ethernet Aggregation Switch Portfolio ...

Actelis" Ethernet aggregation switches are the perfect Ethernet In The First Mile solution for networks consisting of fiber and copper.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

