

# Tender Parameters for Industrial Switches



## Article Overview

Industrial switch tenders typically specify port configurations, PoE capabilities, throughput, Layer 3 features, and remote management requirements to ensure high-performance, scalable, and future-proof networks.

### Key Technical Specifications

#### Port Configuration and Speed

- Minimum of 24 RJ45 Ethernet ports supporting Gigabit Ethernet (GbE).
- Some switches must support Power over Ethernet (PoE), PoE+, and PoE++, with power outputs ranging from 15.4W to 60W per port.
- SFP+ ports for 10G uplinks are required, with at least 2 per switch; some models may include 25G uplinks for enhanced performance . Switching Capacity and Throughput

- Lower-end models: minimum 44 Gbps switching capacity.
- Standard models: around 88 Gbps.
- High-end aggregation models: up to 760 Gbps.
- Minimum 65 million packets per second (Mpps) to support high-density environments . PoE Capabilities

- Compliance with IEEE 802.3af/at/bt standards.
- Total PoE budget up to 720W for high-power devices.
- Flexibility in PoE output: lower-end models start at 25W per port, higher-end models up to 60W per port . Layer 3 Features...

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