

SELECTION GUIDE

Choosing the Right Network Equipment

PRODUCT CATEGORY · GUIDE

Use the matrix below to shortlist the product family that matches your deployment. Each family has a dedicated datasheet with full electrical, mechanical and optical parameters.

Deployment requirement	Recommended family
Factory floor, wide temperature, DIN-rail	Industrial Ethernet Switches
PoE cameras, access points and sensors	PoE Industrial Switches
Redundant ring networks (RSTP/ERPS)	Managed DIN-rail Switches
Office LAN with VLAN and SNMP	Commercial / Enterprise Switches
Copper-to-fibre uplinks up to 120 km	Fiber Media Converters
Switch uplink or NIC optics, 1.25G–10G	SFP / SFP+ Optical Modules
Wireless coverage for warehouses	Industrial Wireless Devices
Extending PoE beyond 100 m runs	PoE Repeaters

Environment and Certification Checklist

- Operating temperature grade: commercial 0–50 °C vs industrial -40–+75 °C
- Power architecture: single or redundant DC input; PoE budget per port
- Surge and EMC class required at the installation site (IEC 61000-4)
- Fibre type, connector and reach: multi-mode vs single-mode, LC/SC, distance
- Management and cyber-security features: VLAN, ACL, RADIUS, SNMPv3, 802.1X
- Certification set required for the destination market: CE, FCC, UL, CCC