

Industrial Network Infrastructure

Reliable industrial connectivity for automation and Industrial IoT environments



Product Overview

APS Industrial Network Infrastructure integrates industrial-grade networking devices including:

- G816 Industrial Cellular Routers
- G809 Industrial Edge Routers
- ISG / ISF Industrial Ethernet Switches
- ISG1208-SFP Industrial PoE Switches

These devices support industrial communication across manufacturing plants, smart infrastructure, utilities, transportation systems, and industrial automation environments.

Applications

- Smart manufacturing and factory automation
- Industrial IoT systems
- Remote monitoring and control systems
- Smart agriculture and environmental monitoring
- Smart city and infrastructure management
- Energy and utility networks
- Transportation and logistics systems

Key Features

- **High-Speed Industrial Connectivity**

Supports 5G LTE, 4G LTE, Gigabit Ethernet, and VPN communication for reliable industrial networking.

- **Edge Computing Capability**

Processes data locally to reduce latency and improve operational responsiveness.

- **Flexible Network Integration**

Supports Ethernet, fiber, VPN, PoE, and multi-device industrial communication.

- **Industrial-Grade Reliability**

Designed for harsh environments with rugged housing and wide operating temperature support.

- **Scalable Industrial Networking**

Supports modular system expansion for growing industrial operations.

- **Reliable Power & Protection**

Includes EMC shielding, lightning protection, and stable industrial power input.



Key Specifications & Industrial Connectivity

Network Connectivity

- 5G LTE
- 4G LTE
- Gigabit Ethernet
- VPN support

Data Transmission

- High-speed industrial communication
- Stable device-to-device networking
- Reliable industrial data handling

Ports & Interfaces

- Multi-port LAN/WAN
- SFP fiber support
- PoE support

Processing Capability

- Edge computing support
- Local industrial data processing

Industrial Protection

- IP40 industrial protection
- 6kV lightning protection
- EMC shielding

Operating Environment

- Operating temperature: -40°C to +85°C
- Fanless industrial cooling system
- Wide voltage industrial power input

Model Snapshot



Industrial Connectivity Solutions Include:

- Industrial Cellular Routers
- Industrial Ethernet Switches
- PoE Industrial Networking
- VPN & Remote Monitoring
- Edge Computing Systems

Designed for reliable operation across industrial automation and Industrial IoT environments.

Advantages of Industrial Network Infrastructure

Reliable Industrial Communication

Enables real-time communication between industrial systems, sensors, and machines.

Remote Monitoring & Access

Supports VPN and centralized operational visibility across distributed industrial sites.

Improved Operational Efficiency

Enhances industrial automation through faster communication and stable connectivity.

Scalable Industrial Deployment

Supports growing industrial operations and expanding device infrastructure.

Industrial Durability

Built for continuous operation in harsh industrial environments.

Conclusion

APS Technology Australia delivers industrial-grade network infrastructure solutions designed for Industrial IoT, factory automation, remote monitoring, and connected industrial systems.

Built for reliability, scalability, and operational efficiency, these networking solutions help industries improve communication, connectivity, and digital transformation across modern industrial environments.

