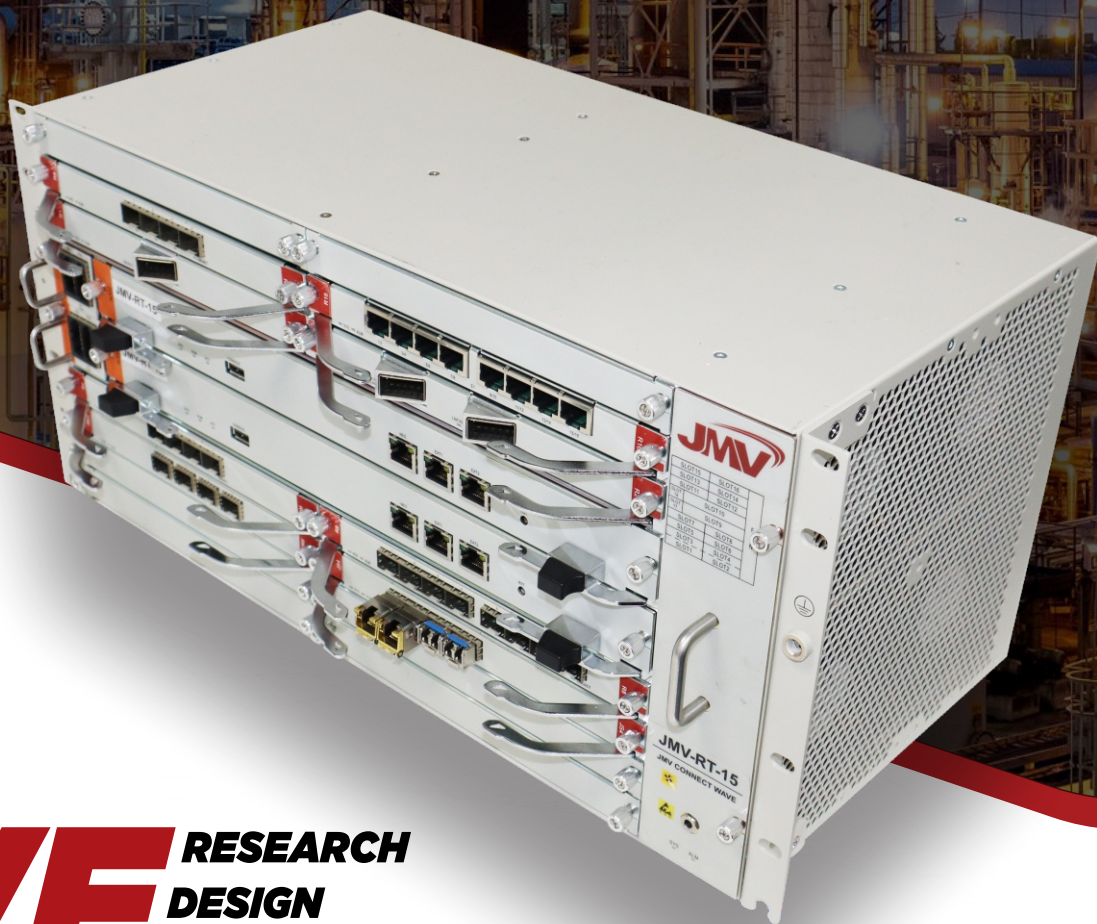




SCAN FOR WEBSITE

INTERNET PROTOCOL MULTI-PROTOCOL LABEL SWITCHING

IPMPLS SOLUTIONS



WE **RESEARCH**
DESIGN
MANUFACTURE



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JMV LPS LIMITED

Our **IP-MPLS Solutions** deliver secure, high-speed data transmission for the oil & gas and power sectors, ensuring continuous operations across critical infrastructure. Using short path labels, they optimize network routing for faster communication between remote sites, substations, and control centers. Built on a Category VI chassis-type router and compliant with TEC-GR 48050 standards, they offer exceptional performance and reliability. With 1+1 or N+1 power supply and fan redundancy in hot-standby mode, our system prevents network outages, ensuring uninterrupted service even during component failures. These robust solutions enable real-time monitoring, reliable asset management, and efficient pipeline and grid control, ensuring operational efficiency and safety in remote and hazardous environments.

Here Are The Key Benefits:



1. High Reliability & Network Resilience

Ensures uninterrupted operations with fast failover (sub-50ms recovery) in case of link failures. MPLS-based Traffic Engineering (TE) optimizes data flow to avoid congestion and improve uptime.



2. Enhanced Security & Segmentation

Supports VPNs (Virtual Private Networks), providing secure and isolated communication between remote sites. Protects critical SCADA (Supervisory Control and Data Acquisition) and ICS (Industrial Control Systems) from cyber threats.



3. Low Latency & High Performance

Reduces latency and ensures predictable performance for real-time applications like telemetry, remote monitoring, and control systems. Guarantees Quality of Service (QoS) for mission-critical traffic.



4. Scalability for Large Industrial Networks

Supports massive, distributed networks across multiple regions or plants. Easily integrates with cloud, IoT, and edge computing infrastructure.



5. Cost Efficiency & Optimized Bandwidth Utilization

Uses Label Switching to avoid complex routing lookups, reducing operational costs. Allows convergence of multiple services (voice, video, SCADA, and corporate IT) on a single network, reducing infrastructure costs.



6. Support for Remote Operations & IoT

Enables real-time monitoring of pipelines, substations, and offshore platforms. Facilitates seamless integration of IoT devices for predictive maintenance and operational efficiency.



7. Compliance & Regulatory Benefits

Helps industries meet cybersecurity and regulatory compliance standards such as NERC-CIP (for power) and API 1164 (for oil & gas).

