



# OUR ATEX AND HAZLOC CERTIFIED POINT-TO-POINT WIRELESS SOLUTIONS KEEP YOU CONNECTED . . .

## AND YOUR PEOPLE, PROPERTY AND PRODUCT SAFE.



Point-to-Point (PTP) 600 Series Wireless Ethernet Bridges comply with ATEX (ATmospheres EXplosibles) and HAZLOC (Hazardous Locations) directives for equipment operations in hazardous locations.

Compliance classifications granted are:

### ATEX

**Equipment Group II** – electrical equipment intended for use in places with an explosive gas atmosphere other than mines susceptible to firedamp (methane); equipment category 3 G

**Category 3 / Zone 2** – electrical equipment intended for use in a location where an explosive atmosphere is not likely to occur in normal operations, but if it does, only occurs for short periods of time; protection by intrinsic safety assessment for Zone 2

**Gas Group IIC** – acetylene and hydrogen for example

**Temperature Class T4** – 135° C maximum surface temperature



### HAZLOC

**Class 1 Location** – flammable gases, flammable liquid-produced vapors, or combustible liquid-produced vapors are or may be present in the air in quantities sufficient to produce explosive or ignitable mixtures

**Division 2** – ignitable concentration of flammable gases, liquids or vapors are not likely under normal conditions

**Gas Groups A, B, C, D** – acetylene, hydrogen, ethylene and propane for example

Equipment Markings for  
ATEX and HAZLOC  
certified products

 <b>MET<sup>®</sup> US</b> ELECTRICAL SAFETY	COMPLIES WITH UL1604, CSA C22.2 No. 213	 II 3 G Ex ic IIC T4 Tamb = -40°C to +60°C TRAC09ATEX31224X
	UL60950-1 / CSA C22.2 No. 60950-1	
	LISTING No. E113068	
	CLASS 1, DIV 2, GROUPS A,B,C,D	
	OPERATING TEMPERATURE CODE T4	

### TYPICAL APPLICATIONS

PTP 600 solutions can support a variety of petrochemical applications, including:

- Rapid deployment for turnarounds
- Video, voice-over-IP and PCS backhaul
- Non-line-of-sight and long-distance line-of-sight WAN extensions
- Network redundancy
- Over-water communications
- Supplemental capacity for multimedia content

### ADVANTAGES

Our unique combination of technologies enables PTP 600 systems to provide exceptional performance and safety, offering you several key advantages.

- **Anywhere Communications:** You can establish communications virtually anywhere – in Non-Line-of-Sight (NLOS), long-distance Line-of-Sight (LOS), high-interference and over-water environments.

- **Reassuring, Multi-Level Security:** While our systems are engineered to be inherently secure, PTP 600 systems provide added security capabilities and compliance certifications to protect your sensitive communications. Currently, the systems support FIPS-197 128-bit and 256-bit Advanced Encryption Standard (AES) encryption, HTTPS/TLS and SNMPv3.
- **Flexible Network Management:** PTP systems can be managed remotely using the Internet and a Web browser, your existing network management system, and/or our Wireless Manager, Version 2.2 or higher.
- **“No Surprises” Link Planning:** Prior to purchase, our easy-to-use PTP LINKPlanner tool allows you to accurately predict link performance based on geography, distance, antenna height and other factors specific to your deployment.
- **Effortless Installation and Operation:** Sophisticated deployment-assistance features help installers complete a stress-free installation – typically in one or two days. The intuitive graphical user interface greatly simplifies operations.
- **Performance-Enhancing Tools:** PTP 600 systems include industry-leading metrics that help you get the best possible performance out of your wireless network. Metrics include antenna alignment information, measurements of interference, throughput, signal level and signal quality, and troubleshooting diagnostics.

- **Durability:** With over 1.5 billion hours of field time, Mean Time Between Failures (MTBF) measured in decades and IP (Ingress Protection) 66-compliant enclosures, PTP 600 radios are built to take the abuse of challenging outdoor environments.

## SUMMARY

State-of-the-art communication systems are crucial to achieving your productivity and profitability goals, and the safety afforded by those systems is vital. Our PTP 600 solutions can deliver carrier-grade, high-speed, secure communications wherever and whenever needed. The systems comply with ATEX and HAZLOC regulations to operate safely in potentially explosive atmospheres. So, you can stay connected, safely

## WIRELESS NETWORK SOLUTIONS

At Motorola, our unrivaled wireless network solutions include indoor WLAN, outdoor wireless mesh, point-to-multipoint and point-to-point networks as well as voice over WLAN systems, giving you the agility and seamless connectivity you need to grow your business or better protect and serve the public. Combined with powerful software for wireless network design, security and management, our solutions deliver trusted networking and anywhere access to organizations worldwide.

**ATEX & HAZLOC Certified  
PTP 600 Models**  
(License-Exempt Bands)  
5.4 GHz PTP 54600 Integrated  
5.4 GHz PTP 54600 Connectorized  
5.8 GHz PTP 58600 Integrated  
5.8 GHz PTP 58600 Connectorized



**PTP 600 Connectorized  
and  
PTP 600 Integrated**



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