OleumTech®

DH2 WIRELESS GATEWAY

DATASHEET

OT«

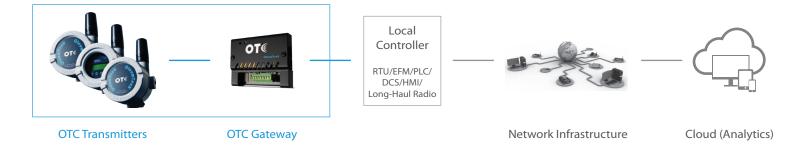


Highlights

- Wirelessly gather/distribute sensor data
- Map I/O anywhere within the network
- Modbus Master/Slave functionality
- 1 configurable Serial/RTU port (RS232/RS485)
- -40 °C to 80 °C (-40 °F to 176 °F)
- 900 MHz / 915 MHz / 2.4 GHz / 868 MHz
- Secure AES encryption
- Class I, Division 2 (Zone 2) certified



```
US Patent #6,967,589
```



Wireless Gateway with Serial Connectivity

Primary Data Collection Point

The OleumTech® DH2 Wireless Gateway plays an integral role in the OTC Wireless Sensor and I/O Network. It possesses the ability to aggregate data from OTC wireless transmitters and I/O modules onto its 1920-point register holding table. Third-party devices can access the data over the Modbus or LevelMaster ASCII protocol.

Advanced Peer-to-Peer Networking

Deploy multiple gateways to the OTC platform, creating a custom, highly scalable network. The gateways have the ability to communicate with one another. Leverage the peer-to-peer technology and funnel data to the primary gateway, optimizing network efficiency and/or designing an extremely flexible I/O mapping system across the entire wireless network.

Serial Interface

With the provided RS232/RS485 configurable Serial port, the DH2 can virtually interface with any third-party Modbus device either as a Master or Slave device. You can gain visibility and control of stranded assets by using the DH2 as a secondary gateway or as a Master device. You can also integrate I/O capabilities for added versatility.

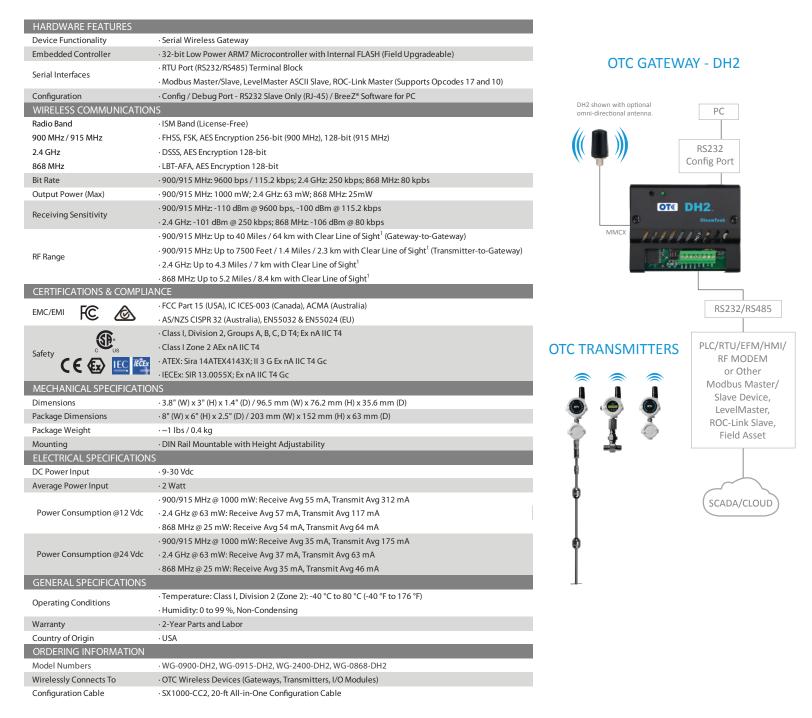
Reliable, Trusted

The DH2 has been widely used for OTC Network deployments for over a decade, proving its reliability and robustness in harsh oilfields. The DH2 is the standard of excellence, resembling OleumTech's commitment to quality and innovation.

OleumTech®

Technical Specifications

Networking Diagram



¹ The maximum RF range data was collected under optimal test conditions, including a clear line of sight between antennas. Actual wireless RF range may vary depending on location, RF interference, weather, antenna type, cable type, and line of sight

©2019 OleumTech Corporation. All rights reserved. OleumTech and BreeZ are registered trademarks of OleumTech Corporation in the United States. All other trademarks and trade names are the property of their respective holders. Specifications, design, and product descriptions subject to change without notice. This device contains proprietary intellectual property protected by US Patent #6967589. Document ID: 67-4000-003_Y

