DH3 - NETWORKING DIAGRAM

WIRELESS GATEWAYS

Peer-to-Peer/Repeater
Gateway-to-Gateway
Up to 40 Miles (900 MHz)
Up to 9.2 Km (2.4 GHz)

Secure
AES Encryption
Site Security Protection

MMCX

Local Display
Optional

View Modbus, Event/System Logs,
Network/Device Settings, and More

RAM
Trending
Data Logging

USB 2.0
Data Logging
F/W Upgrade

2x RS232/485

I/O Exp.

Ethernet

Modbus TCP/IP
DHCP Client/Static IP

Roled-based
Authentication

Modbus Master/Slave
LevelMaster Slave
ROC-Link Master

Mini-USB
Local Device
Configuration

Optional
RS485 I/O Expansion:
Digital, 4-20mA, 0-10V

PLC, RTU, EFM,
HMI, RF Modem,
or Other
Modbus Master/
Slave Devices,
LevelMaster,
ROC-Link Slave,
Field Assets

**Router/
Switch/
IP Radio/
Firewall**

Wireless Multi-I/O

END NODES

**Point-to-Multipoint
"Star"**

Wireless Transmitters
Up to 7500 ft (900MHz)
Up to 7 Km (2.4 GHZ)

Wireless I/O Modules
Up to 40 Miles (900 MHz)
Up to 9.2 Km (2.4 GHz)

Internet,
Private Network,
VPN

SSL/TLS
Encryption

Roled-based
Authentication

PC
Remote Device
Configuration

**SCADA/
Enterprise**

Web Server
View Modbus, Trends, Event/System Logs,
Network/Device Settings