

## FieldServer ENOTE

# Using Wireshark to Discover a FieldServer

### APPLICABILITY & EFFECTIVITY

Effective for all systems manufactured after January 2021.



Document Revision: 3.B

T18015



**fieldserver**

MSA Safety  
1000 Cranberry Woods Drive  
Cranberry Township, PA 16066 USA  
Website: [www.MSAsafety.com](http://www.MSAsafety.com)

U.S. Support Information:  
+1 408 964-4443  
+1 800 727-4377  
Email: [smc-support@msasafety.com](mailto:smc-support@msasafety.com)

EMEA Support Information:  
+31 33 808 0590  
Email: [smc-support.emea@msasafety.com](mailto:smc-support.emea@msasafety.com)

## 1 Procedure

The instructions below describe how to use Wireshark to discover the IP Address of a FieldServer. This will work for the following FieldServer gateways: QuickServer, ProtoNode and ProtoCessor.

### 1.1 Connections

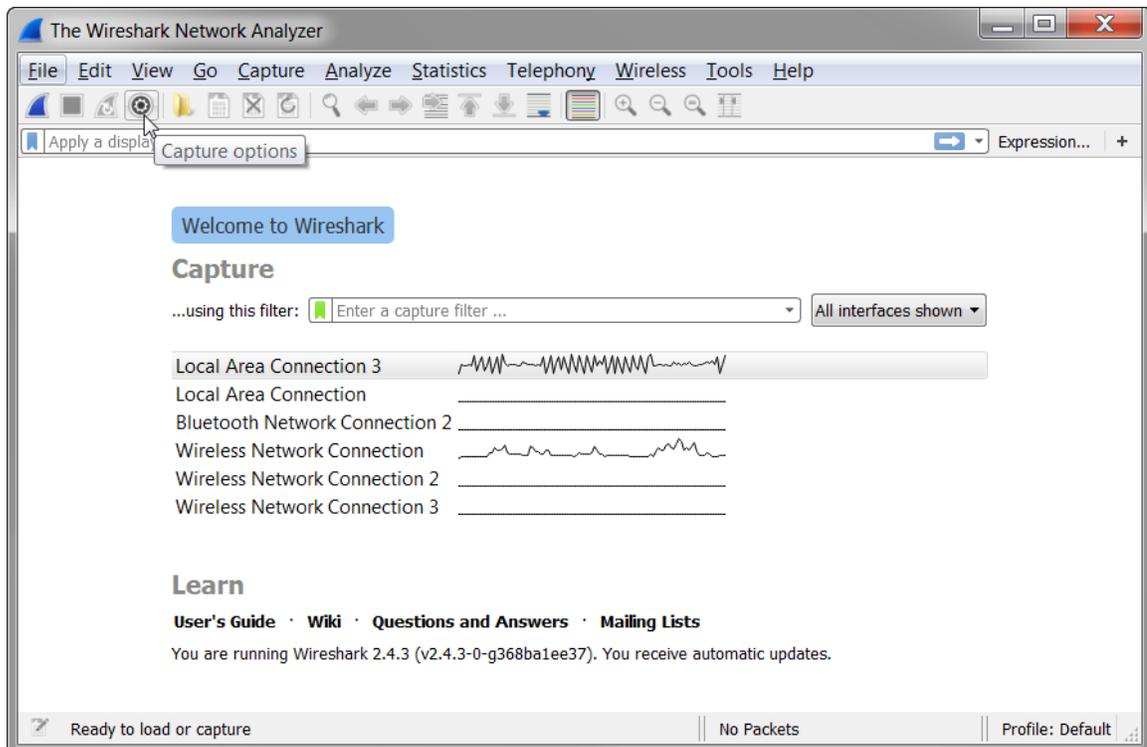
Connect the FieldServer directly to the PC using a standard Cat-5 cable.

### 1.2 Installing Wireshark

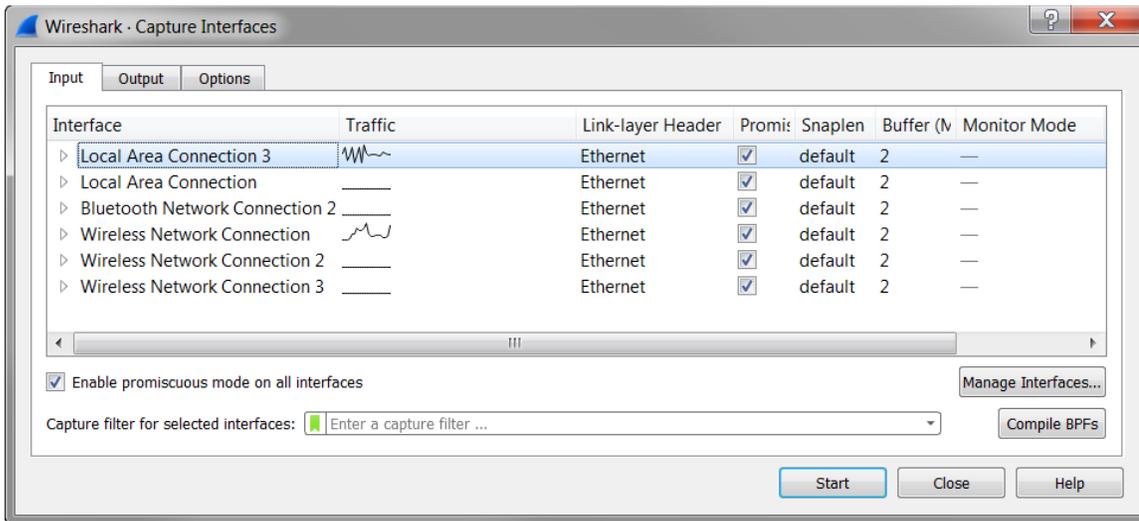
- Go to [www.wireshark.org/download.html](http://www.wireshark.org/download.html) to access the download page.
- Select the download site for your operating system.
- Download the Wireshark setup file, also install WinPcap by checking the install box.
- Run the executable.

### 1.3 Obtaining the IP Address

- Open Wireshark.
- Click on the 'Capture Options' button on the top left.



- Go to the Interface option and select the Ethernet adapter from the menu.



- Click on the 'Start' button.
- Power up the FieldServer.
- Wait until the run LED starts flashing once per second. When the run LED starts flashing the FieldServer will send a broadcast with the IP Address in the info column. When this occurs, stop the capture and search for the packet with the IP Address in the info column after the word "Tell".

**NOTE: The packet will come from a source that is "UmUm900\_<last 3 bytes or 6 hexadecimal characters of the FieldServer MAC Address>". For example, the image above shows "UmUm900\_90:0d:ff".**

