

QUICK GUIDE

Computer Networking Options for the DG-1000




DG-1000 Pressure and Flow Gauge Networking Examples

TEC Example 1

Single Fan System (1 DG-1000 Gauge to Computer via Wi-Fi wireless communication)

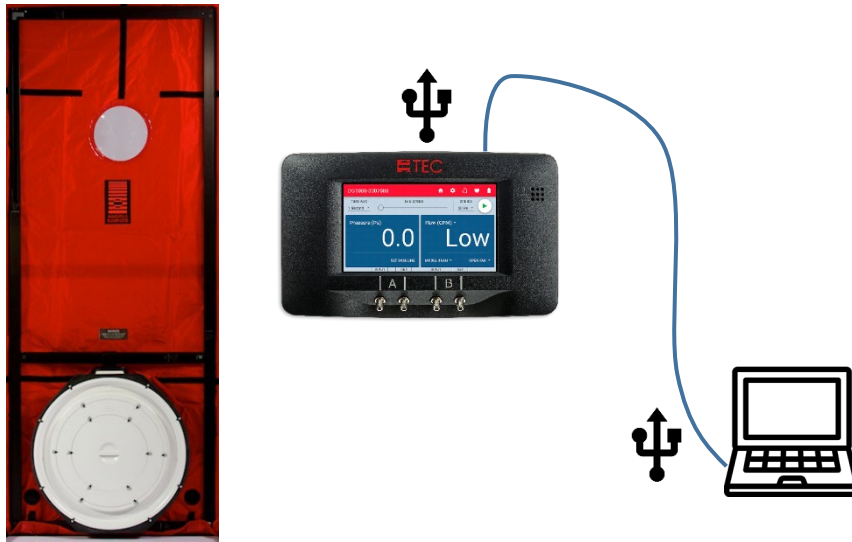


Wireless Connections


- 1 DG-1000 gauge with the network configuration set to **Create Network** .
- The laptop computer is joined to the wireless network being broadcast by the DG-1000 gauge.

TEC Example 2

Single Fan System (1 DG-1000 Gauge to computer via wired USB communication)



Wired Connections



- 1 DG-1000 with the network configuration set to **USB** .
- The laptop computer is connected to the DG-1000 gauge using a micro USB/standard USB cable.
- You will need to download and install the appropriate USB driver to your laptop computer in order to use the **USB** networking option. Drivers are installed on the laptop using the Windows Update service.

TEC Example 3

Single 3 Fan System (2 DG-1000 Gauges – wireless communication)



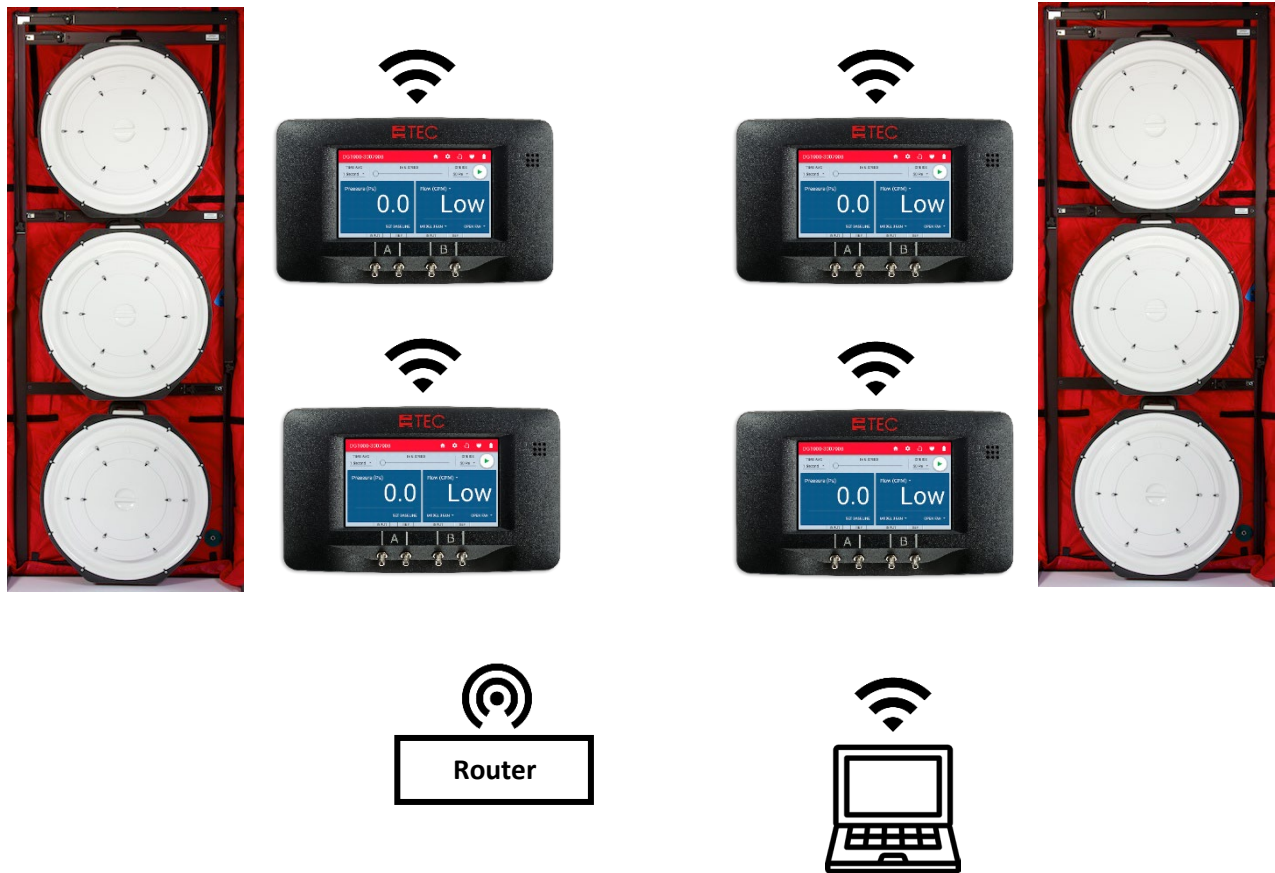
Wireless Connections

- 1 DG-1000 gauge in the 3 Fan System with the network configuration set to **Create Network** 
- 1 DG-1000 gauge in the 3 Fan System with the network configuration set to **Join Network** 
- Both the laptop computer and the DG-1000 gauge set to **Join Network** are joined to the wireless network being broadcast by the DG-1000 gauge set to **Create Network**.


- **Note: If using DG-1000 firmware version 1.8.0 (137) or later, no password entry is required to connect DG-1000's to networks created by another DG-1000.**

TEC Example 4

Multiple 3 Fan System (4 DG-1000 Gauges – wireless communication)

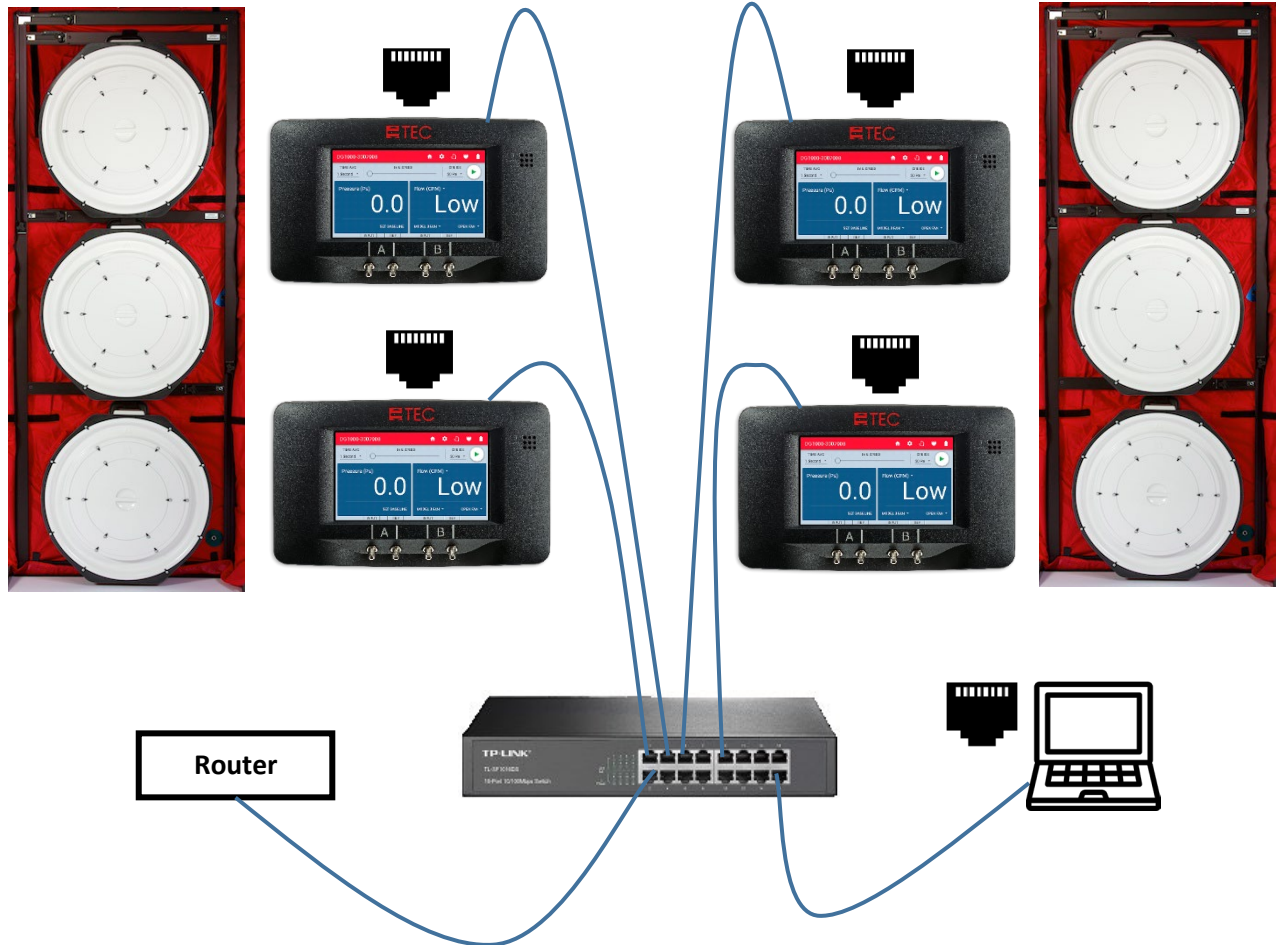


Wireless Connections


- All 4 DG-1000 gauges with the network configuration set to **Join Network** 
- The 4 gauges are joined to the wireless network being broadcast by the router.
- The laptop computer is also joined to the wireless network being broadcast by the router.
- This setup can be expanded for additional Blower Door systems and DG-1000 gauges.

TEC Example 5

Multiple 3 Fan System (4 DG-1000 Gauges – wired Ethernet communication)

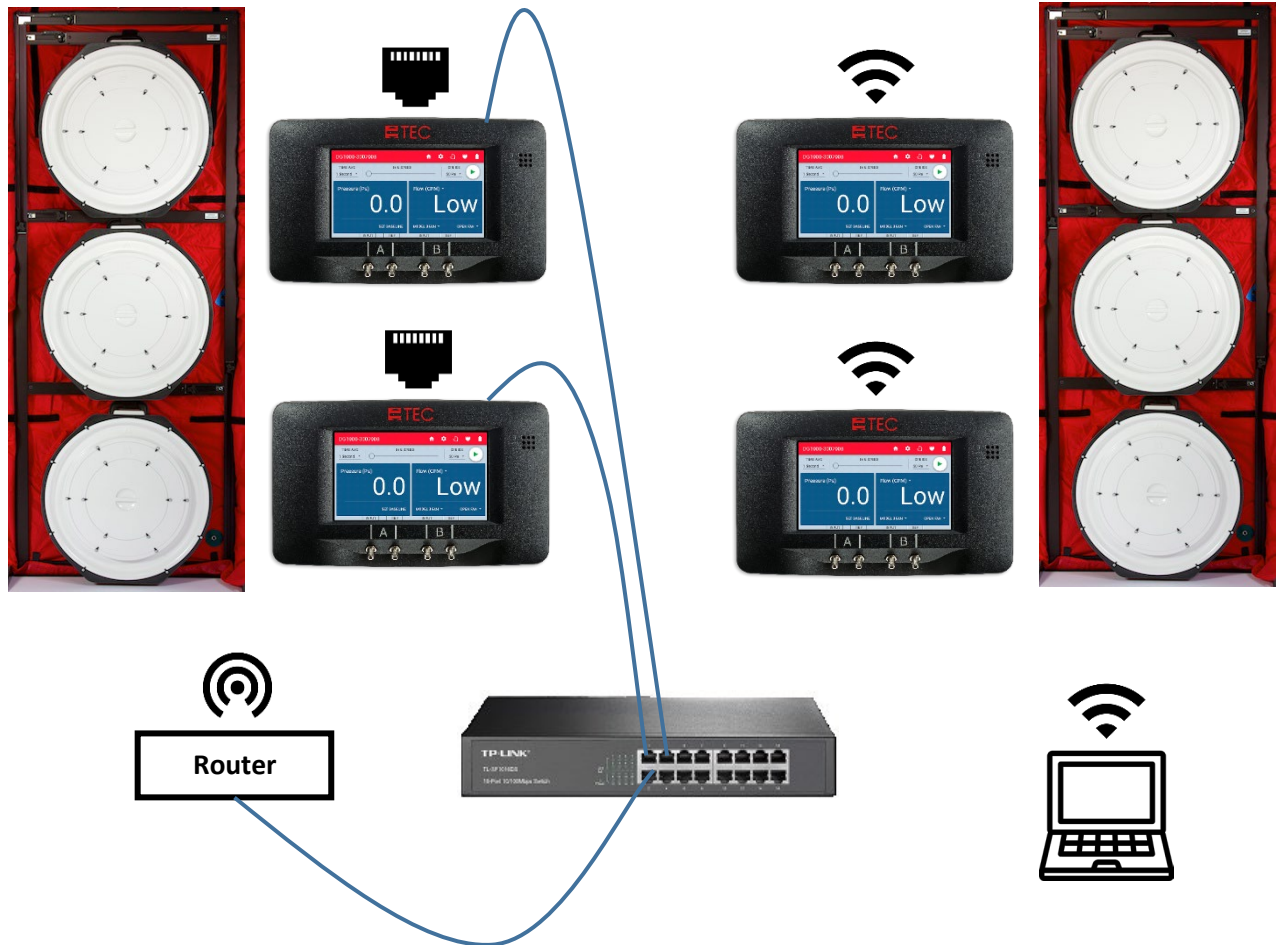


Wired Connections


- All 4 DG-1000 gauges with the network configuration set to **Ethernet** .
- The 4 gauges are connected to an Ethernet switch.
- A router and laptop computer are also connected to the Ethernet switch. The router is connected using a LAN port on the router.
- Using the **Ethernet** networking option on the DG-1000 requires that a single device in the network is running DHCP server (this is the reason we have a router connected to the network).
- This setup can be expanded for additional Blower Door systems and DG-1000 gauges.

TEC Example 6


Multiple 3 Fan System (4 DG-1000 Gauges – combination of wireless and wired communication)



Wired Connections

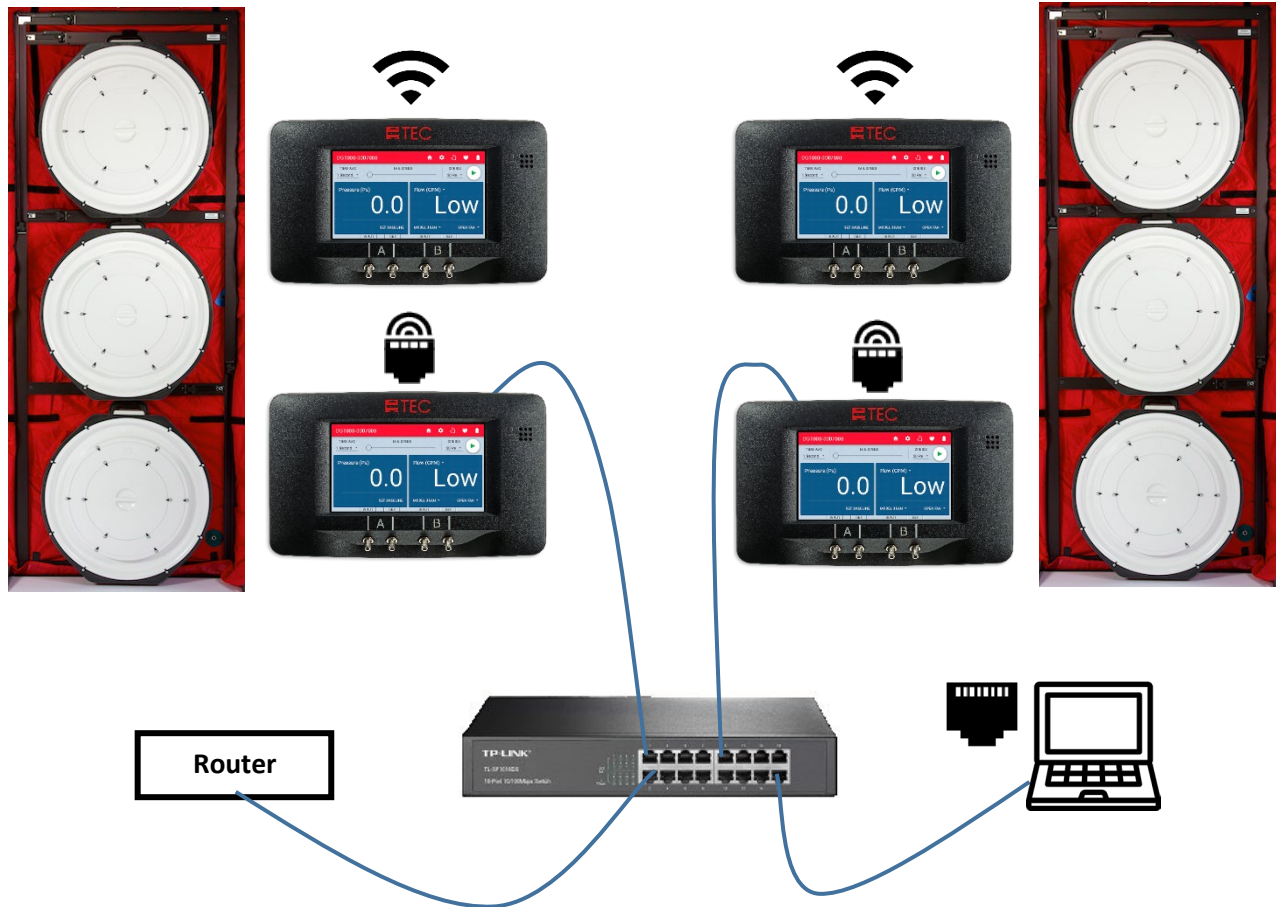
- Both DG-1000 gauges in one 3 Fan System with the network configuration set to **Ethernet** .
- Both gauges are connected to an Ethernet switch.
- A router is also connected to the Ethernet switch. The router is connected using a LAN port on the router.
- Using the **Ethernet** networking option on the DG-1000 requires that a single device in the network is running DHCP server (this is the reason we have a router connected to the network).

Wireless Connections


- Both DG-1000 gauges in one 3 Fan System with the network configuration set to **Join Network** .
- Both gauges are joined to the wireless network being broadcast by the router.
- The laptop computer is also joined to the wireless network being broadcast by the router.
- This setup can be expanded for additional Blower Door systems and DG-1000 gauges.

TEC Example 7


Multiple 3 Fan System (4 DG-1000 Gauges – Ethernet Bridge communication)



Wired Connections

- 1 DG-1000 gauge in each 3 Fan System with the network configuration set to **Create Network** (with the **Ethernet Bridge** configuration enabled) .
- Both gauges are connected to an Ethernet switch.
- A router and laptop computer are also connected to the Ethernet switch. The router is connected using a LAN port on the router.
- Using the **Ethernet Bridge** configuration option on the DG-1000 requires that a single device in the network is running DHCP server (this is the reason we have a router connected to the network).

Wireless Connections

- 1 DG-1000 gauge in each 3 Fan System with the network configuration set to **Join Network** .
- Each gauge is joined to the wireless network being broadcast by the 2nd DG-1000 gauge in the 3 Fan System that is set to **Create Network** (with **Ethernet Bridge** configuration enabled).
- This setup can be expanded for additional Blower Door systems and DG-1000 gauges.