Features:

- Easy to configure graphical user interface
- Secure transfer of:
    - Time series data (PI, PHD, OPC DA and HDA)
        - Can use Windows Integrated Security with OSIsoft PI
    - File Transfer
    - Mail forwarding
    - Syslog messages (UDP datagrams)
- Performance tracking using Windows Performance Counters
- History Recovery (when used with a historian server)
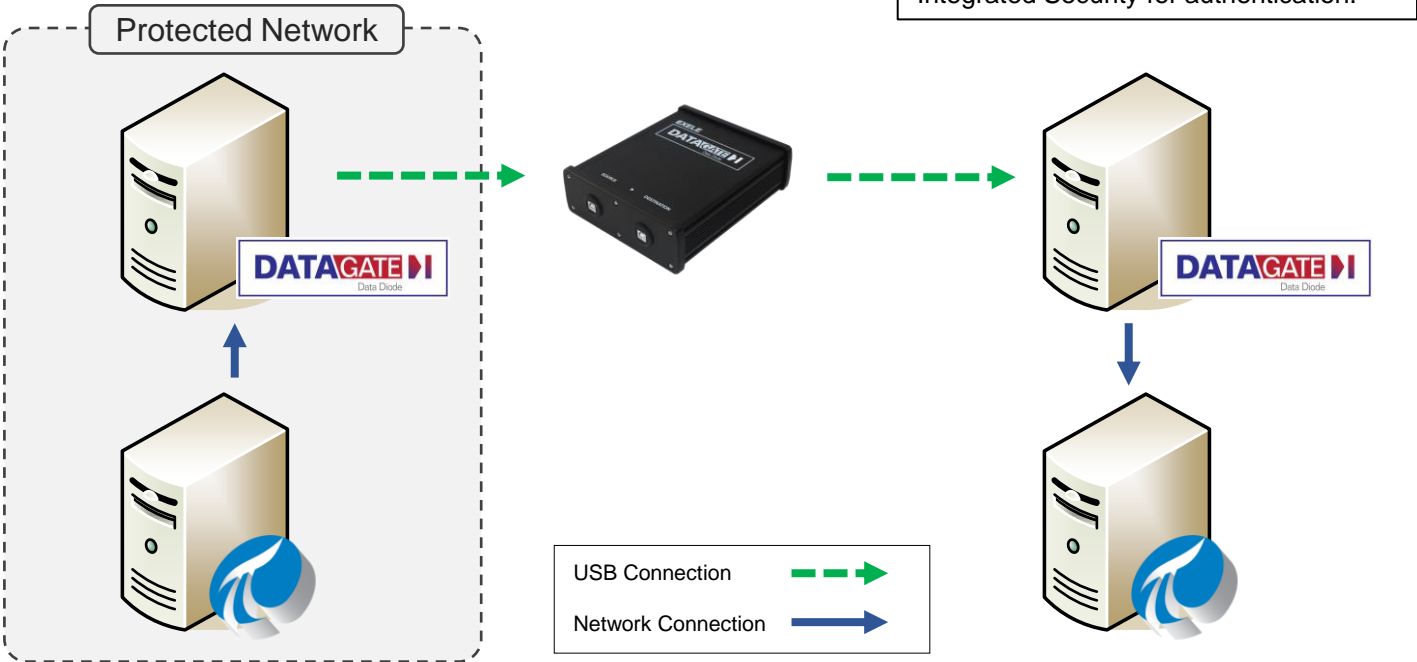
Specifications:

- Anodized aluminum body
- Size: 8.23 x 6.99 x 2.41 in / 209.04 x 177.55 x 61.21 mm
- Weight: 2.2 lbs
- Connectivity: 2x USB 2.0 Type B ports
- No external power supply required
- 3 Mbaud serial connection
- Transfer up to 20,000 tag values per second (depends on data density)
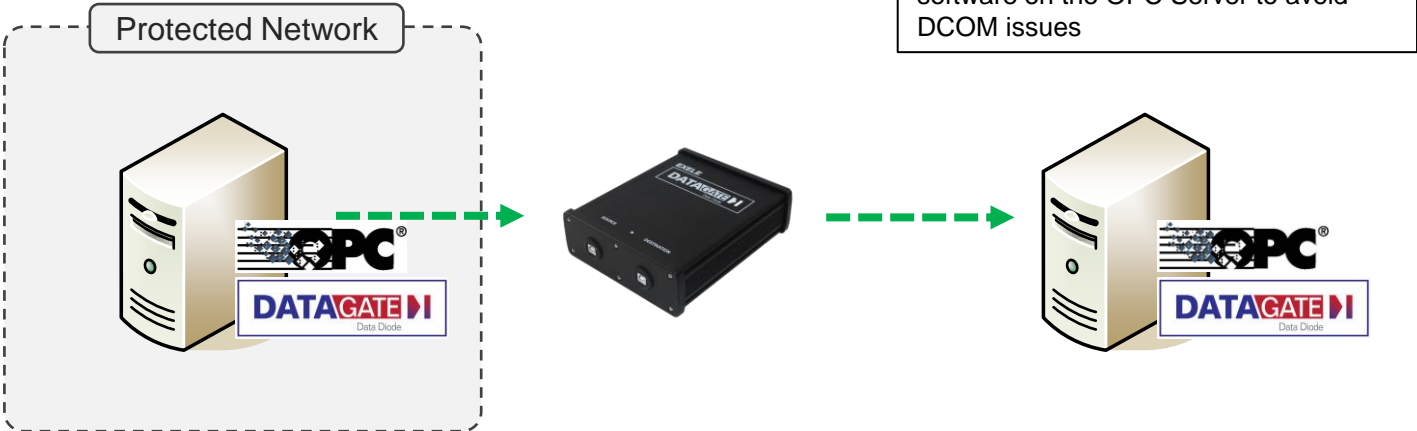   - Can use multiple connections to increase throughput

System Requirements:

- Windows 10 or Windows Server 2016, 2019
- 64-bit multi-core processor
- USB 2.0 Type A port
- FTDI D2XX VCP Driver 2.12.28
    - https://ftdichip.com/drivers/d2xx-drivers/
- Exele DataGate software
- OSIsoft AFSDK 2.10.8.440 or newer (when used with PI Data Archive)
- OPC Core Components (when used with OPC or PHD server)
    - https://opcfoundation.org/developer-tools/samples-and-tools-classic/core-components/

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Tel: +1.585.385.9740

Reference PI Architecture

DataGate software acts as a PI Client connection and can use Windows Integrated Security for authentication.

Protected Network

USB Connection ‑ ‑ ‑ ▶

Network Connection ───▶

Reference OPC Architecture

It is recommended to run the DataGate software on the OPC Server to avoid DCOM issues

Protected Network

DataGate within Purdue Model

Level 5

Level 4

Level 3

Level 2

Level 0/1

Internet

Workstation

Historian

Corporate Network

Historian

Operation Network

Data Collector

SCADA

HMI

DATAGATE Data Diode
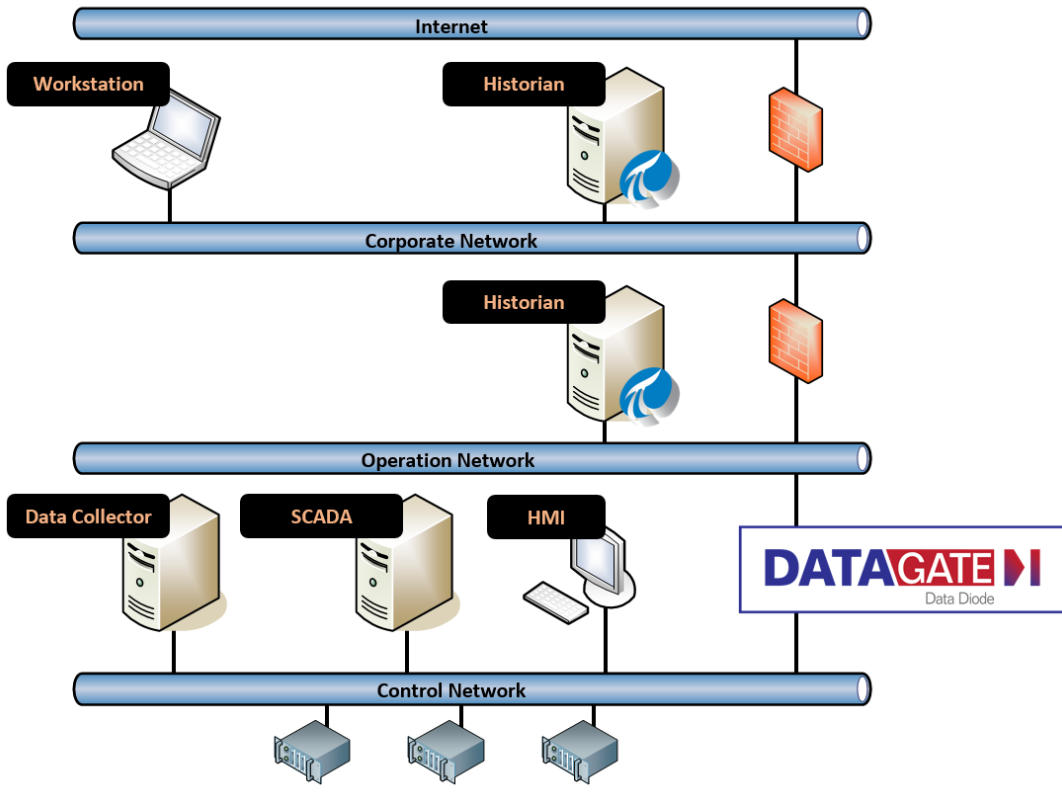
Control Network

DataGate provides a secure boundary for SCADA and process control networks