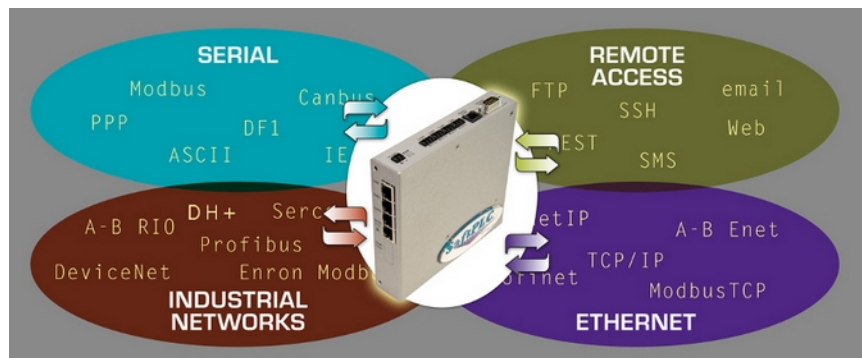# SoftPLC Gateways
Protocol Converters, Data Loggers & much more!

General Description

SoftPLC Gateways bridge devices between different networks. Every SoftPLC Gateway includes a host of drivers, allowing users to configure any mix of up to 16 simultaneous drivers to meet their network bridging needs.

In addition to network bridging, SoftPLC Gateways provide a flexible, intelligent platform that can be programmed for advanced functions such as data scaling or logging.

SoftPLC Gateways also provide options for remote access, with our TagWell™ M2M cellular Cloud platform, or via dial-up telephone connections.

Features

- Up to (16) different protocols can be supported simultaneously
- Hundreds of thousands of data points supported, extremely fast throughput
- Easy configuration and data mapping
- Diagnostics, real-time monitoring
- Supports user logic for diagnostics, data manipulation, scaling, logging, etc.

Applications

- Protocol Converter - Transfer data between devices on different networks
- Control System Upgrades - Interface between old/obsolete and new equipment
- Data Concentrator - Send data from multiple networks to higher level system
- Data Logger - Capture data from multiple systems into a single log file
- Remote Access Interface to plant/machine for alarm notification, monitoring, data collection or troubleshooting

Some Supported Protocols

Serial Protocols:
- ASCII
- Modbus RTU/ASCII Master & Slave
- DF1 Full & Half-Duplex
- Enron Modbus Master
- CAN/J1939

Ethernet Protocols:
- Modbus TCP/UDP Master & Slave
- A-B DF1 Ethernet
- Ethernet/IP Scanner & Adapter
- MQTT

Fieldbus/Proprietary Protocols:
- A-B DH+, up to 2 channels
- A-B RIO Master/Adapter

Others are available or can be added – just ask!

Available Models

Smart SoftPLC Gateway
(4) port managed Ethernet switch + (1) Ethernet, (2) USB, (1) RS-485 port w/ options for (3) A-B RIO/DH+ or additional serial ports

NeoPAC SoftPLC Gateway
(1) Ethernet, (2) USB w/ options for (2) A-B RIO/DH+ or additional serial ports

Micro SoftPLC Gateway
(1) Ethernet, (2) USB for serial protocols

Hardbook Gateways
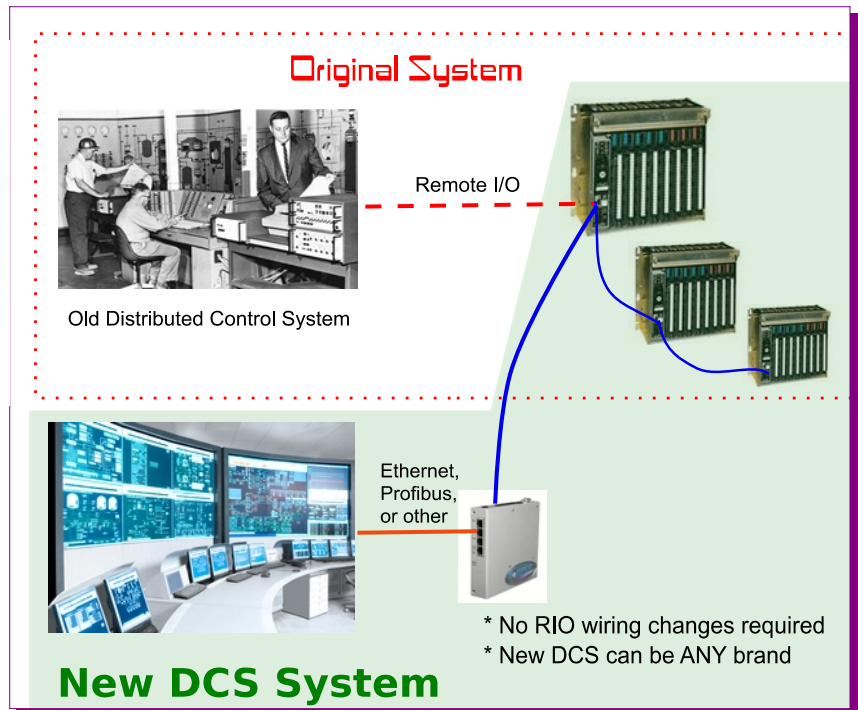Array of models - multiple Ethernet, serial, USB ports & PCI slots for add-on cards

25603 Red Brangus Road, Spicewood, TX 78669
512-264-8390   or   800-SoftPLC (US/Canada)
https://softplc.com   info@softplc.com

Example SoftPLC Gateway Applications

Remote I/O

Remote I/O

Ethernet,
Serial
or other

Original System ➤ New System

* No changes required in A-B PLC or RIO cabling *(PLC-5, SLC-500, PLC-2 or PLC-3)*
* New HMI can be ANY brand
    - connects to SoftPLC Smart Gateway on Ethernet, serial, or other
* If new HMI is Web Studio, old PanelView application can also be converted

* Smart Gateway uses A-B RIO Adapter & Ethernet/Serial/other Master drivers

TagWell™
Remote Management
Platform

Original System

Remote I/O

Old Distributed Control System

*SoftPLC Gateways can provide access to other control systems via SoftPLC's TagWell Cloud Remote Management Platform (cell/satellite/etc) and via direct modem connections. The Gateway acts as a **remote router access switch** and/or as a **data concentrator**.*

Ethernet,
Profibus,
or other

* No RIO wiring changes required
* New DCS can be ANY brand

New DCS System

Modbus

Remote I/O, DH+

TCP/IP

ModbusTCP

Modem connection
over **Dial-Up-Line**

or cellular

SoftPLC CORPORATION