

OPW Communications Technologies

OPW Fuel Management Systems offers several communications technologies engineered to help commercial and retail fuel site managers improve operations. From high-speed Ethernet and cellular connections to wireless Ethernet and wireless Petro-Net connections, OPW offers solutions that help operators overcome common fuel management communications infrastructure challenges. OPW's suite of communications technologies includes network authorization, on-site communication and Phoenix® communication devices to address a wide variety of site configuration needs.

Many Networks

OPW's Ethernet IP Authorization Gateway and Cellular IP Authorization Gateway are certified to communicate with:
Networks:

- Bypass
- Chase Paymentech™
- NBS

Fleet Hosts:

- Comdata
- CFN
- EFS
- Fleet One
- Pacific Pride
- T-Chek™
- TCH

What is PCI Compliance?

Six leading members of the Payment Card Industry created a joint venture in 2006 to develop, manage and make users aware of security standards aimed at merchants and organizations that store, process or transmit cardholder data as part of payment authorization or settlement when these applications are sold, distributed or licensed to third parties.

OPW Communications Technologies Features



Network Authorization Devices

Ethernet IP Authorization Gateway

Application:

Communicates to card networks to obtain authorizations via a wired Ethernet connection.

Features:

- ◆ Compatible with OPW FSC3000™ Fuel Site Controller
- ◆ 100 Mbps data transmission supports high-speed transaction authorizations
- ◆ Supports inbound and outbound communications
- ◆ PCI compliance ensures cardholder data security
- ◆ Eliminates the need for a dedicated phone line
- ◆ Unlike other converter devices, the IP Authorization Gateway is certified to communicate with payment processors such as Bypass, NBS and Paymentech™ and/or fleet card networks to accept a wide range of cards
- ◆ Plug-and-play

Cellular IP Authorization Gateway

Application:

Communicates to card networks to obtain authorizations via a cellular connection.

Features:

- ◆ Compatible with OPW FSC3000™ Fuel Site Controller
- ◆ 100 Mbps data transmission supports high-speed transaction authorizations
- ◆ Eliminates need for land lines
- ◆ Unlike other converter devices, the IP Authorization Gateway is certified to communicate with payment processors such as Bypass, NBS and Paymentech™ and/or fleet card networks to accept a wide range of cards
- ◆ PCI compliance ensures cardholder data security
- ◆ Verizon or AT&T network plans available

NOTE: See OPW Fuel Management Systems' website at www.opwglobal.com for detailed product literature, manuals and sales representative contact information for your area..

On-Site Communications Devices

Wireless Ethernet

Application:

Facilitates communications bridge between an FSC3000™ Fuel Site Controller or OPW tank gauge and a remote Ethernet connection via a wireless signal.

Features:

- ◆ Provides a cost-effective communication solution to fuel sites where running Ethernet wire may be cost-prohibitive
- ◆ Device's outdoor IP66-rated aluminum enclosure can be mounted on a pole or building
- ◆ For installations where the FSC3000 is mounted inside the FIT, the internal Wireless Ethernet ships factory-mounted on the FSC3000 and includes an antenna integrated into the FIT
- ◆ Transmits communications up to 40 miles line-of-sight
- ◆ 128-bit AES encryption for secure communications

Wireless Petro-Net

Application:

Provides wireless Petro-Net communication between fuel management equipment in place of a 2-wire Petro-Net communication.

Features:

- ◆ A perfect data transmission alternative for sites where running wired Petro-Net communication is either not practical or is cost-prohibitive
- ◆ Can be used in Fuel Control and Tank Gauging applications
- ◆ Fuel Site Controller data is encrypted during transmission
- ◆ Install a wireless Petro-Net network to avoid these and other common obstructions: roads, railroad tracks, water lines, utility right-of-ways

Phoenix Communications

USB Key Two-Way Data Transfer, Dial-In Modem and Inbound-Only Cellular Authorization Gateway

Application:

Pulls site transaction data from FSC3000™ Fuel Site Controller for importing into Phoenix® Fuel Management Software.

Features:

- ◆ **USB Key Two-Way Data Transfer:** Records your transactions in a Phoenix-ready file format using the USB port on the back of an FSC3000. When ready to poll, remove the USB key from the Fuel Site Controller, take it to the PC running the Phoenix software, and copy the file into the Phoenix/Data directory.
- ◆ **Dial-In Modem:** Utilizes standard telephone lines
- ◆ **Cellular Inbound-Only Authorization Gateway:** Enables use of cellular communications; Verizon or AT&T network plans available

Ordering Specifications

Part #	Connection	Supported Networks
20-6000	Wired	CFN, T-Chek, TCH, EFS, Paymentech fleet
20-6005	AT&T Cellular	CFN, T-Chek, TCH, EFS, Paymentech fleet
20-6014	Verizon Cellular	CFN, T-Chek, TCH, EFS, Paymentech fleet
20-6013	Wired	NBS, Fleet One, Comdata, CFN, TCH, T-Chek, EFS, Paymentech, Pacific Pride
20-6015	AT&T Cellular	NBS, Fleet One, Comdata, CFN, TCH, T-Chek, EFS, Paymentech, Pacific Pride
20-6016	Verizon Cellular	NBS, Fleet One, Comdata, CFN, TCH, T-Chek, EFS, Paymentech, Pacific Pride
20-6003	Wired	Buypass, CFN, TCH, T-Chek, EFS, Paymentech
20-6008	AT&T Cellular	Buypass, CFN, TCH, T-Chek, EFS, Paymentech
20-6017	Verizon Cellular	Buypass, CFN, TCH, T-Chek, EFS, Paymentech
20-6012	Wired	IP CONVERTER - IOL
20-6009	AT&T Cellular	INBOUND ONLY
20-6010	Verizon Cellular	INBOUND ONLY