



SPECIFICATION SHEET

InterLINX[®] WiFi IoT Communicator

FPC-30126-XX

V1

The FPC-30126 InterLINX[®] WiFi is a standalone wireless communicator using local 2.4GHz Wi-Fi network to provide a direct connection to the Propitect[®] IoT cloud monitoring platform. This powerful module is available in either a simple compact poly enclosure for indoor installation, or in a weather resistant powder coated metal enclosure.

The InterLINX[®] WiFi is primarily design for connecting to a MATElec Australian Pump Controller and interconnect using digital inputs or Modbus RS-485. Any generic Modbus device can also be connected and configured to display in Propitect.

HARDWARE FEATURES

Enclosures:

- IP55 rated Halogen-Free Polypropylene enclosure for indoor mounting
- IP65 rating, powder coated zinc steel weatherproof single door enclosure for outdoor mounting

Protection:

- 24Vdc Low voltage control and input circuitry
- DIN rail mount ELV fuse

Control & Interface:

- InterLINX[®] WiFi module for IoT communication via 2.4GHz Wi-Fi Network
- 2.4GHz Wi-Fi hotspot connection for configuration portal access.

Inputs:

- 1Ph, 240Vac power supply

- 2x Digital 12Vdc inputs (configurable for pulse)
- 1x RS-485 Modbus Master

Output:

- 1x Relay output – change over contacts

Antenna:

- Local module mounted 2.4GHz Wi-Fi 40mm stub antenna for poly enclosure
- Top mount weather and vandal resistant antenna for metal enclosure

Solar:

- Solar panel with regulator for off-grid applications

Included with panel:

- 1Ph, 240Vac, 1.5mtr power supply cable with 10amp 3pin plug (Excluding Solar Powered Model)

KEY FEATURES

- Collected data from inputs and output is transferred via Wi-Fi network to Propitect[®] cloud monitoring platform
- Easy setup and configuration using Web Server Portal via Wi-Fi Hotspot
- Modbus RS-485 Master connection
- SMS and email notifications can be configured out of Propitect[®]
- Pulse signal configuration on both digital inputs
- Pre-configured MATElec Pump Controller Modbus registers
- Supply voltage alarm monitoring
- Low voltage supply
- Plastic indoor or powder coated metal outdoor enclosure options
- Connects to 2.4GHz Wi-Fi network for internet access

SPECIFICATIONS

Power supply	8-24Vdc, Max continuous current draw of 310mA @ 12V and 160mA @ 24V
Operating Conditions	-20°C to 50°C
Digital inputs	2x digital inputs. Either 2 of which can be programmed as a Pulse Input. Trigger voltage 2.5Vdc, Input impedance 2400Ω
Outputs	1x Change over relay Rated load 1A@24Vac/dc
Serial Communications	RS-485 Modbus Master
Wi-Fi Hotspot	802.11 b/g/n, 2.4GHz, supports WAP, WPA2, WPA-3, including WPA3 open password free encryption
Configuration	Via Configuration Portal

STANDARD MODELS

Code	Enclosure	Antenna	Supply Voltage	IP Rating	Enclosure Sizes
FPC-30126-PE	Poly	Local 45mm Stub	230Vac	IP54	199mm W x 158mm H x 93mm D
FPC-30126-ME	PC Metal	Top mount sealed	230Vac	IP65	200mm W x 300mm H x 150mm D
FPC-30126-SOLAR	PC Metal	Top mount sealed	12Vdc	IP65	300mm W x 400mm H x 200mm D