

Low Size, Weight, Power & Cost Enclosed WIFI Router

The pX2-SWP is a miniature enclosed, high power, 802.11b/g/n wireless router. Its feature rich design delivers a robust, secure, industrial strength wireless solution for critical data communications. The pX2-SWP takes things to the next level by providing features such as 10/100 Ethernet Port, Serial Communications and USB capabilities. The pX2-SWP is ideal for custom integration projects and IoT applications.

Only 37 grams!



36 x 48 x 15 mm

802.11 b/g/n

1W / Excellent Sensitivity

USB 2.0 & RS232

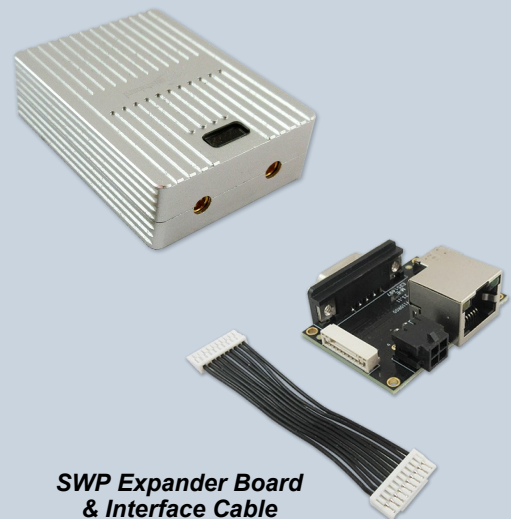
10/100 Ethernet

Industrial Temperature

IoT Applications

Features

- High Power Tx (up to 1W) w/ Excellent Rx Sensitivity
- Up to 150 Mbps data rate
- Support for 802.11b/g/n Devices
- Firewall with ACL Security, Port Forwarding
- Full Scale Access Point, AP Station
- Multiple SSID Support
- Serial Gateway (RS232)
- Dual 10/100 Ethernet Ports
- RSSI LED pins for Antenna Alignments
- Industrial grade operating temperature (-40°C to +85°C)
- Administration via local console, telnet, web browser, SNMP
- Local and remote wireless firmware upgradable



**SWP Expander Board
& Interface Cable**

pX2-SWP Specifications



Frequency	2.4000 - 2.4835 GHz
Radio Operation	IEEE 802.11 b/g/n
Link Rate	Up to 150 Mbps
Error Detection/Control	FEC/ARQ
Encryption	WEP, WPA(PSK), WPA2(PSK), WPA+WPA2 (PSK), WPA Enterprise (RADIUS), WPA2 Enterprise, WPA + WPA2 Enterprise
Range	> 10 miles (16 km) (Antenna Dependent)
Output Power	Up to 30dBm (1W)
Ports	Serial Data/Console Ethernet USB RS232 (300bps - 230kbps) Dual 10/100BaseT IEEE802.3 (LAN/WAN) 2.0
Operating Modes	Full Scale Access Point, AP Station
Management	Local Serial Port Console, Telnet, WebUI, SNMP, FTP Upgrade, TFTP, CLI (Command Line Interface)
Network Advanced Protocols	TCP, UDP, TCP/IP, ARP, ICMP, DHCP, HTTP, SNMP, FTP, Serial over IP IP Routing - static Routing, IP/RIPv1, IP/RIPv2, CIDR, ICMP, ARP NAT and Port Forwarding (Routing mode only). Full 802.1Q VLAN Support, Access Control Lists (MAC & IP), MAC/IP Binding, Multiple SSID Support
Diagnostics	Remote Diagnostics, Monitor Utilities (Ping, ARP table, DHCP active leases, CCQ), Link Test
Rejection	Excellent strong signal interference & rejection characteristics
Input Voltage	7 - 30VDC
Mating Connector	Power, Data: 10-Pin (GHR-10V-S) Antenna(s): 2 x MMCX
Environmental	-40°F to 185°F (-40°C to +85°C) 5-95% humidity, non-condensing
Weight	~37 grams
Dimensions	~36 x 48 x 15 mm
Approvals	FCC Part 15.247 IC RSS210

Performance Specifications			
Rate	Mode	Tx Power	Recieve
1 Mbps	802.11b	30 dBm	-97 dBm ±1 dB
2 Mbps	802.11b	30 dBm	-96 dBm ±1 dB
5.5 Mbps	802.11b	30 dBm	-95 dBm ±1 dB
11 Mbps	802.11b	30 dBm	-92 dBm ±1 dB
6 Mbps	802.11g	30 dBm	-94 dBm ±1 dB
9 Mbps	802.11g	30 dBm	-93 dBm ±1 dB
12 Mbps	802.11g	30 dBm	-91 dBm ±1 dB
18 Mbps	802.11g	30 dBm	-90 dBm ±1 dB
24 Mbps	802.11g	28 dBm	-86 dBm ±1 dB
36 Mbps	802.11g	28 dBm	-83 dBm ±1 dB
48 Mbps	802.11g	26 dBm	-77 dBm ±1 dB
54 Mbps	802.11g	26 dBm	-75 dBm ±1 dB
MCS0	802.11n (HT20)	30 dBm	-96 dBm ±1 dB
MCS1	802.11n (HT20)	30 dBm	-95 dBm ±1 dB
MCS2	802.11n (HT20)	30 dBm	-92 dBm ±1 dB
MCS3	802.11n (HT20)	28 dBm	-90 dBm ±1 dB
MCS4	802.11n (HT20)	28 dBm	-86 dBm ±1 dB
MCS5	802.11n (HT20)	26 dBm	-83 dBm ±1 dB
MCS6	802.11n (HT20)	26 dBm	-77 dBm ±1 dB
MCS7	802.11n (HT20)	26 dBm	-75 dBm ±1 dB
MCS0	802.11n (HT40)	30 dBm	-94 dBm ±1 dB
MCS1	802.11n (HT40)	30 dBm	-93 dBm ±1 dB
MCS2	802.11n (HT40)	30 dBm	-90 dBm ±1 dB
MCS3	802.11n (HT40)	28 dBm	-89 dBm ±1 dB
MCS4	802.11n (HT40)	28 dBm	-84 dBm ±1 dB
MCS5	802.11n (HT40)	26 dBm	-81 dBm ±1 dB
MCS6	802.11n (HT40)	26 dBm	-75 dBm ±1 dB
MCS7	802.11n (HT40)	26 dBm	-73 dBm ±1 dB

Order Options

pX2-SWP Miniature 1W 802.11b/g/n WIFI Router



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