



# DSP Compact WRM

La versión del Remote Monitor, DSP Compact WRM, posee opcionalmente la posibilidad de conectarse a una red de wi-fi, ya instalada en el lugar por medio de una antena de alta ganancia, que posee dentro del gabinete estanco, puede transmitir los datos adquiridos al software DSP Machinery Control. La multiplicidad de hardware conectados a una red inalámbricas puede mejorar la instalación en lugares de difícil acceso.

## ESPECIFICACIONES

Technology	IEEE 802.11b/g, WiFi compliant
Frequency	2.4 ~ 2.4835 GHz (US/Canada/Europe) 2.4 ~ 2.497 GHz (Japan)
Modulation Technology	DSSS, CCK, OFDM
Modulation Type	DBPSK, DQPSK, CCK, BPSK, QPSK, 16QAM, 64QAM
Network Access Modes	Infrastructure, Ad Hoc
Channels	USA/Canada: 11 channels Europe: 13 channels France: 7 channels Japan: 14 channels (13 channels for 802.11g)
Wireless Data Rate	802.11b = 11, 5.5, 2, 1 Mbps 802.11g = 54, 48, 36, 24, 18, 12, 9, 6 Mbps
MAC	CSMA/CA with ACK, RTS, CTS
Network Protocols	TCP/IP, ARP, ICMP, DHCP, DNS, UDAP, TFTP, UDP, PING
Receive Sensitivity	54Mb/s = -75dBm 36Mb/s = -82dBm 18Mb/s = -88dBm 6Mb/s = -93dBm 11Mb/s = -88dBm 1Mb/s = -98dBm
Security Protocols	Disabled, WEP 64 & 128bit, WPA (TKIP), WPA (AES), WPA2 (AES), 802.1x (EAP) Supplicant 802.11i, WPA & WPA2 Enterprise supplicants (EAP-TLS, EAP-TTLS(MSCHAPv2), EAPTTLS(MDSS), EAP-PEAPv0(MSCHAPv2, LEAP), EAP-FAST, LEAP) Supports Certificates and Private Key Upload and Storage (Multiple)
Antenna	Two (2) U.FL coaxial connectors, 50 ohms, supports Rx and Tx diversity
Supply	3.3VDC +/-5%, 850mA (MAX)
Supply In-rush Current	3000mA (MAX) for 20ms
DC Characteristics	Operating Current (Tx, 802.11g) = 240mA Typ. Operating Current (Rx, 802.11g) = 310mA Typ. Power Save (Doze) = TBD mA Typ. Power Down (Sleep) = TBD mA Typ.
Environmental	Operating Temperature: -20°C - +85°C, Storage: -55°C - +150°C Relative humidity: 5% - 95% (non-condensing) Vibration: 20G peak-to-peak, 20Hz-2KHz swept Shock: 1500G peak-to-peak, 0.5mS duration
Interfaces	Dual UART (960KBAUD), RS232/ 422/ 485, SPI (1bit/20MHz), 10/100 Ethernet, PortFlex
Digital I/O	8 GPIO
LED Indicators	4 indicator LED signals (RF_ACT, POST, CONNECT, RF_LINK), Signal Strength
Connector	36 pin High Density SMT connector from Hirose (DF12-36DS-0.5V), 4mm Height
Agency Approvals	North America: FCC Title 47 Part 15 Class B Sub C Intentional Radiator, IOE RSS210 Europe: CE ETSI EN300 328 RoHS & WEEE compliant

