



# The WyeboT DEX Sensor



## TECHNICAL SPECIFICATIONS - WIS4400

<b>Radios</b>	Radio 1: Broadcom (2.4 GHz, 5 GHz) - Transmit Disabled Radio 2: Broadcom (2.4 GHz, 5 GHz) - Transmit Disabled Radio 3: Intel (2.4 GHz, 5 GHz, 6 GHz) - Passive & Wi-Fi Client Mode
<b>Modulation</b>	BPSK, QPSK, DBPSK, DQPSK, CCK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM (Intel AX210)
<b>Integrated Antennas</b>	2.4GHz / 5GHz / 6GHz Antennas 10 antennas (4 for Radio 1, 4 for Radio 2, 2 for Radio 3)
<b>Frequency Bands</b>	Worldwide Regulatory Support as per Intel AX210 client radio specifications Broadcom radios are passive (transmit disabled)
<b>Security</b>	<ul style="list-style-type: none"> <li>- 802.11i</li> <li>- Wired Equivalent Privacy (WEP)</li> <li>- WPA, WPA2 Personal/Enterprise, WPA3 Personal/Enterprise including WPA2 Transition Mode</li> <li>- Advanced Encryption Standard (AES)</li> <li>- Customizable combinations of IEEE standards-based authentication modes, pairwise ciphers, broadcast/multicast group ciphers, PMF settings <ul style="list-style-type: none"> <li>- Authentication Protocols: EAP, FT-EAP, EAP-SHA-256, EAP-SUITE-B (SHA256), EAP-SUITE-B-192 (SHA-384), FT-EAP-SHA384, EAP-FILS (SHA256), EAP-FILS (SHA384), EAP-FT-FILS (SHA256), EAP-FT-FILS (SHA384)</li> <li>- Pairwise ciphers: TKIP, CCMP-128, CCMP-256, GCMP-128, GCMP-256</li> <li>- Group Ciphers: WEP-40, WEP-104, TKIP, CCMP-128, CCMP-256, GCMP-128, GCMP-256</li> <li>- Protected Management Frame (PMF): Capable, Required</li> <li>- Simple Certificate Enrollment Protocol (SCEP)</li> </ul> </li> </ul>
<b>Authentication</b>	802.1X, EAP-PEAP, EAP-TLS, EAP-TTLS(GTC), EAP-FAST, WPA, WPA2-PSK, WPA3-OWE, WPA3-SAE
<b>Processor and Memory</b>	Quad Core 1.6GHz, 4GB RAM
<b>Ethernet</b>	10/100/1000M Supports 802.1X authentication: PEAP-MSCHAPv2 and EAP-TLS
<b>Spectrum Analysis</b>	2.4 GHz and 5GHz spectrum analysis provided by Broadcom AirIQ
<b>External Connectors</b>	<ul style="list-style-type: none"> <li>- RJ-45 Network Connector (10/100/1000M)</li> <li>- DC power adapter</li> <li>- USB Type A port</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>- Power over Ethernet (PoE+) IEEE802.3at (48V), or</li> <li>- 12V DC, 2.5A (External power supply not included)</li> </ul>
<b>Mechanical</b>	<ul style="list-style-type: none"> <li>- Wall mount</li> <li>- Ceiling mount with T-bar/suspended clips included</li> <li>- 9/16, 15/16 adjustable width</li> </ul>
<b>Environmental</b>	Operating Temperature: 0°C to 45°C / 32°F to 113°F
<b>Dimensions</b>	23.4 cm x 23.4 cm x 3.5 cm / 9.21 in x 9.21 in x 1.38 in
<b>Weight</b>	1.4 kgs / 3.0 lbs
<b>Regulatory Compliance</b>	FCC/IC/ETSI Emissions/Immunity Testing FCC Part 15, ETSI Radio Compliance testing (Client Radio) FCC/IC/ETSI/EU, EN 301 489, EN 300 328 (2.4GHz), EN 301 893 (5 GHz), R&TTE Directive, Modular Certification for Radios Safety Testing UL60950-1 (IT Equipment General Safety) UL2043 (Plenum space) EN 60601-1-1 & EN 60601-1-2 (Medical Devices)