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## X-Series Wireless Specifications

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### TECHNICAL SPECIFICATIONS:

<b>Operational Bands</b>	IEEE 802.11a/b/g/n Dual Band: 2.4 & 5 GHz Cellular (requires an external cellular modem) Bluetooth PAN-GN, PAN-U, and RFCOM (disabled by default)
<b>Encryption</b>	WPA-PSK WPA2-PSK Enterprise
<b>Authentication</b>	PSK (Pre-shared Key or “Personal”) Enterprise Authentication methods (IEEE 802.1X/RADIUS) as follows: <ul style="list-style-type: none"><li>• EAP-TLS (1.2)</li><li>• PEAPv0/v1-MSCHAPv2</li></ul> TLS Client certificates must be: <ul style="list-style-type: none"><li>• PFX Format (you can choose from a list of pre-loaded files)</li><li>• Certificate file name can only be up to 24 characters long</li></ul> Root Certificates: <ul style="list-style-type: none"><li>• The X-Series comes pre-loaded with certificate files from some common certificate authorities</li><li>• If a new CA certificate is needed it must be one of the following formats:<ul style="list-style-type: none"><li>○ .pem</li><li>○ .def</li><li>○ p7b</li></ul></li></ul>
<b>SSID</b>	Broadcasted by AP Not broadcast (stealth mode)
<b>PSK Requirements</b>	PSK length must be 8 - <b><u>64 characters</u></b>
<b>Preconfigured Profiles</b>	Multiple
<b>IP Configuration</b>	IP v4 Dynamic (external DHCP server) Static IP
<b>Port Utilized</b>	123 (NTP) and 443 (all other)