





# PRODUCT COMPARISON GUIDE

|   |  | INDOOR   |   | INDOOR & OUTDOOR  |   |
|---|--|--|---|---|---|
| KEY FEATURES                                    |  |  E1000          |  S2000  |  X1000   |  X2000 |
| Backhaul Options                                | Ethernet   | ✓  | ✓   | ✓   | ✓   |
|   | Wi-Fi  | 2.4 GHz or 5 GHz   | 2.4 GHz   | 2.4 GHz   | 2.4 GHz or 5 GHz  |
|   | Cellular [1]   | ✓  | ✓   | ✓   | ✓<br>USB cellular modem can be power cycled automatically                                 |
| Bluetooth, Security and other Software Features | Long-Range coverage [2]  | up to 300m   | up to 300m  | up to 300m  | up to 400m with Bluetooth 4.x<br>up to 1 km with Bluetooth 5.0                            |
|   | Number of Bluetooth Connections  | up to 40   | up to 20  | up to 22  | up to 40  |
|   | Bluetooth Roaming  | ✓  | ✓   | ✗   | ✓   |
|   | Bluetooth Low Energy Support   | 4.x, 5.0 compliant [3]   | 4.x, 5.0 compliant [3]  | 4.1   | 4.x, 5.0  |
|   | Patented Smart and Software Antenna Technology   | ✓  | ✓   | ✓   | ✓<br>default internal omni antenna<br>optional external directional antenna               |
|   | PureScan™ Mode [5]   | ✓  | ✓   | ✗   | ✓   |
|   | High Speed Multiple Connection Mode [6]  | ✓  | ✓   | ✗   | ✓   |
|   | Edge Computing with 3rd Party Application Container Support  | ✓  | ✗   | ✓   | ✓<br>Increased memory size (approx. 750MB)<br>for container application                   |
|   | End to End Security [4]  | ✓  | ✓   | ✓   | ✓   |
|   | Embedded TPM chip  | ✗  | ✗   | ✗   | ✓   |
|   | RSSI based locationing   | ✓  | ✓   | ✓   | ✓   |
|   | RESTful API Integration  | ✓  | ✓   | ✓   | ✓   |
| Physical Features                               | CPU/RAM/Storage  | 1.5GHz/256MB/4GB   | 535MHz/64MB/16MB  | 1.5GHz/256MB/4GB  | 1.5GHz/1GB/4GB  |
|   | Power Interface  | PoE or Micro-USB (5V)  | PoE or Micro-USB (5V)   | PoE only  | PoE or 12V DC   |
|   | Dust and Waterproof  | ✗  | ✗   | IP65  | IP66  |
|   | Dimensions and weight  | 164 mm (W) x 164 mm (L) x 62 mm (D)<br>6.45 in. (W) x 6.45 in. (L) x 2.44 in. (D)<br>410 g/14 oz | 150 mm (W) x 150 mm (L) x 62 mm (D)<br>5.9 in. (W) x 5.9 in. (L) x 2.4 in. (D)<br>320 g/11 oz   | 154 mm (D) x 259 mm (H)<br>6.1-in. (D) x 10.2 in. (H)<br>800 g/28 oz  | 185mm(D) X 254mm (H)<br>7.3 inch (D) x 10 inch (H)<br>1450 g / 51 oz                      |
|   | Operating temperature  | 0°C to +40°C (+32°F to +104°F)   | 0°C to +40°C (+32°F to +104°F)  | -40°C to +65°C (-40°F to +149°F)  | -40°C to +65°C (-40°F to +149°F)  |
|   | Mounting kit included  | Wall or Ceiling  | Wall or Ceiling   | Wall or Pole  | Wall or Pole,<br>with optional desktop stand kit  |
| Certifications                                  | FCC (US), IC (Canada), CE (Europe), BQB, TELEC (Japan), CB, SRRC (China), IMDA (Singapore), RCM (Australia), TISI (Thailand), Sirim (Malaysia), Ethernet Alliance compliant, RoHS, REACH | FCC (US), IC (Canada), CE (Europe), BQB, REACH, CB, SRRC (China), RoHS                           | FCC (US), IC (Canada), CE (Europe), BQB, TELEC (Japan), CB, CRC (Colombia), SRRC (China), RoHS, REACH, ICASA & NRCS (South Africa), ANATEL (Brazil), RCM (Australia), SUBTEL (Chile), IFT & NOM (Mexico), NCC & BSMI (Taiwan) | Available: FCC (US), IC (Canada), CE (Europe), SRRC (China), CB, RoHS, REACH<br>Coming soon: BQB, TELEC (Japan), CRC (Colombia), ICASA & NRCS (South Africa), ANATEL (Brazil), RCM (Australia), SUBTEL (Chile), IFT & NOM (Mexico), NCC & BSMI (Taiwan) |   |

[1] Powered by Cellular USB modem connected to the Bluetooth router

[2] In open space direct line of sight

[3] Supports Bluetooth Low Energy 5.0 higher data rates (2M PHY) and advertising extensions. Does not support Bluetooth Low Energy 5.0 long range

[4] 128-bit AES Encryption, Bluetooth 4.2 secured pairing, TLS1.2/DTLS1.2, HTTPS, Wi-Fi WPA2 Enterprise, etc.

[5] Offers the best scan performance in high noise floor and situations with a large number of Bluetooth devices

[6] Optimizes the connection performance when receiving data from multiple Bluetooth devices simultaneously