







PRODUCT COMPARISON GUIDE

		INDOOR		INDOOR & OUTDOOR		HAZARDOUS AREA
KEY FEATURES		 E1000	 S2000	 X1000	 X2000	 ATX2000
Backhaul Options	Ethernet	✓	✓	✓	✓	✓
	Wi-Fi	2.4 GHz or 5 GHz	2.4 GHz	2.4 GHz	2.4 GHz or 5 GHz	2.4 GHz or 5 GHz
	Cellular ^[1]	✓	✓	✓	USB cellular modem can be power cycled automatically	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 Up to 1 km with Bluetooth 5.0	Up to 400m with Bluetooth 4.x Up to 1 km with Bluetooth 5.0
	Number of Bluetooth Connections	Up to 40	Up to 20	Up to 22	Up to 40	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	4.x, 5.0
	Patented Smart and Software Antenna Technology	✓	✓	✓	Default internal omni antenna Optional external antenna	External antennas only
	PureScan™ Mode ^[5]	✓	✓	✗	✓	✓
	High Speed Multiple Connection Mode ^[6]	✓	✓	✗	✓	✓
	Edge Computing with Custom Application Container Support	✓ 128MB memory for container application	✗	✓ 128MB memory for container application	✓ 700MB memory for container application	✓ 700MB memory for container application
	End to End Security ^[4]	✓	✓	✓	✓	✓
	Embedded TPM chip	✗	✗	✗	✓	✓
	RSSI Based Locationing	✓	✓	✓	✓	✓
	RESTful API	✓	✓	✓	✓	✓
Physical Features	CPU/RAM/Storage	1.5GHz/256MB/4GB	535MHz/64MB/16MB	1.5GHz/256MB/4GB	1.5GHz/1GB/4GB	1.5GHz/1GB/4GB
	Power Interface	PoE or Micro-USB (5V)	PoE or Micro-USB (5V)	PoE only	PoE or 12V DC	PoE, DC, or AC
	Dust and Waterproof	✗	✗	IP65	IP66	IP66 and NEMA 4
	Dimensions and Weight	164 mm (W) x 164 mm (L) x 62 mm (D) 6.45 in. (W) x 6.45 in. (L) x 2.44 in. (D) 410 g/14 oz	150 mm (W) x 150 mm (L) x 62 mm (D) 5.9 in. (W) x 5.9 in. (L) x 2.4 in. (D) 320 g/11 oz	154 mm (D) x 259 mm (H) 6.1-in. (D) x 10.2 in. (H) 800 g/28 oz	185mm (D) X 254mm (H) 7.3 inch (D) x 10 inch (H) 1450 g / 51 oz	293 mm (H) x 388 mm (W) x 220 mm (D) 11.5 inch (H) x 15.2 inch (W) x 8.6 inch (D) 10 kg / 353 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)	-40°C to +60°C (-40°F to +140°F)
	Mounting Kit Included	Wall or Ceiling	Wall or Ceiling	Wall or Pole	Wall or Pole, with optional desktop stand kit	Wall or pole
Certifications	Certifications & Ratings	FCC (US), IC (Canada), CE (Europe), BQB, TELEC (Japan), CB, SRRC (China), IMDA (Singapore), RCM (Australia & New Zealand), NBTC (Thailand), Sirim (Malaysia), Ethernet Alliance compliant (test report only), RoHS, REACH, WPC (Indian)	FCC (US), IC (Canada), CE (Europe), BQB, REACH, CB, SRRC (China), RoHS, TELEC (Japan)	FCC (US), IC (Canada), CE (Europe), BQB, TELEC (Japan), CB, CRC (Colombia), SRRC (China), RoHS, REACH, ICASA & NRCS (South Africa), ANATEL (Brazil), RCM (Australia & New Zealand), SUBTEL (Chile), IFT & NYCE (Mexico), NCC & BSMI (Taiwan)	FCC (US), IC (Canada), CE (Europe), SRRC (China), CB, RoHS, REACH, RCM (Australia & New Zealand), TELEC (Japan), BQB, CRC (Colombia)	Radio Certifications: FCC (US), IC (Canada), CE (Europe), CB, RoHS, REACH, BQB
					Available Q4 2021: ICASA & NRCS (South Africa), ANATEL (Brazil), SUBTEL (Chile), IFT & NYCE (Mexico), NCC & BSMI (Taiwan)	Hazardous Area Certifications  II 3 (3) G Ex ec [ic Gc] nR IIC T6 Gc 3 D Ex ec ic tc IIIC T85 °C Dc cMETus Class I, Div 2, Groups A - D Class II, Div 2, Groups F - G cMETus Class I, Zone 2 AEx ec ic nR IIC T6 Gc Class II, Zone 22 AEx ec ic tc IIIC T85 °C Dc -40 °C <= Tamb <= 60 °C

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

[2] In open space direct line of sight

[3] Nordic nRF52832 chip supports Bluetooth Low Energy 5.0 higher data rates (2M PHY) and advertising extensions. It does not support Bluetooth Low Energy 5.0 long range. Need firmware change to enable BLE5.0 on E1000 and S2000

[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 environments and situations with a large number of Bluetooth devices

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