







PRODUCT COMPARISON GUIDE

		INDOOR			INDOOR & OUTDOOR		HAZARDOUS AREA
KEY FEATURES		 E1000	 S2000	 M2000	 X1000	 X2000	 ATX000
Backhaul Options	Ethernet	✓	✓	✗	✓	✓	✓
	Wi-Fi	2.4 GHz or 5 GHz	2.4 GHz	2.4 GHz	2.4 GHz	2.4 GHz or 5 GHz	2.4 GHz or 5 GHz
	Cellular Backhaul Support	✓	✓	✓	✓	✓	✓
	Embedded Cellular Module	✗	✗	✓	✗	✗	✗
	GPS	✗	✗	✓	✗	✗	✗
Bluetooth, Security and other Software Features	Long-Range Coverage [1]	Up to 300m	Up to 300m	Up to 150m	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 10	Up to 22	Up to 40	Up to 40
	Bluetooth Roaming	✓	✓	✓	✗	✓	✓
	Bluetooth Low Energy Support	4.x, 5.0 compliant [2]	4.x, 5.0 compliant [2]	4.x, 5.0, 5.1 compliant	4.1	4.x, 5.0	4.x, 5.0
	Patented Smart and Software Antenna Technology	✓	✓	✓	✓	✓ Default internal omni antenna Optional external antenna	✓
	PureScan™ Mode [3]	✓	✓	✓	✗	✓	✓
	High Speed Multiple Connection Mode [4]	✓	✓	✓	✗	✓	✓
	Avoid 2.4GHz Interference	✓	✗	✓	✗	✓	✓
	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 [5]	✓	✓	✓	✓	✓	✓
	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)	USB-C (5V)	PoE only	PoE or 12V DC	PoE, DC, or AC
	Dust and Waterproof	✗	✗	IP30	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	90 mm (W) x 90 mm (L) x 30 mm (D) 3.5 inch (W) x 3.5 inch (L) x 1.2 inch (D) 85 g / 3 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)	-30°C to +70°C (-22°F to +158°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	Mounting kit included	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), RCM (Australia & New Zealand), NBTC (Thailand), SIRIM (Malaysia), RoHS, China RoHS, REACH, WPC (Indian), SDPPI (Indonesia), NTC (Philippines)	FCC (US), IC (Canada), CE (Europe), BQB, RoHS, REACH, CB, SRRC (China), China RoHS, TELEC (Japan)	FCC (USA), IC (Canada), CE (EU), TELEC (Japan), JATE (Japan), RoHS (EU), REACH (EU), CB, BQB	FCC (US), IC (Canada), CE (Europe), BQB, TELEC (Japan), CB, CRC (Colombia), SRRC (China), RoHS, China RoHS, REACH, RCM (Australia & New Zealand), SUBTEL (Chile), NCC & BSMI (Taiwan)	Available: FCC (US), NRTL (US), IC (Canada), CE (Europe), SRRC (China), China RoHS, CB, RoHS, REACH, RCM (Australia & New Zealand), TELEC (Japan), BQB, CRC (Colombia), NCC & BSMI (Taiwan), ANATEL (Brazil), ICASA & NRCS (South Africa), SUBTEL (Chile), IMDA (Singapore), SIRIM (Malaysia), NRTA (Egypt), IFT & NYCE (Mexico), PTA (Pakistan), EANCOC (Argentina)	Available in 2024: NBTC (Thailand), SDPPI (Indonesia), WPC (India)

[1] In open space direct line of sight

[2] The 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

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

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

[5] 128-bit AES Encryption, Bluetooth 4.2 secured pairing, TLS1.2/DTLS1.2, HTTPS, Wi-Fi WPA2 Enterprise, etc.