Product Overview: Stratum Series - 5GHz

	Stratum™ X5 - 5GHz Series	Stratum™ X5 2x2 Edition - 5GHz	Stratum™ X3 - 5GHz Series	Stratum™ X1 - 5GHz
Frequency Band (Subject to country regulations)	• 5.150 – 5.850 GHz	• 5.150 – 5.850 GHz	• 5.150 – 5.850 GHz	• 5.150 – 5.850 GHz
MIMO	• 2x2:2 and 4x4:4	• 2x2:2	• 2x2:2	• 2x2:2
Channel Size	• 20, 40 and 80 MHz (80+80 and 160 MHz via future upgrade)	• 20, 40 and 80 MHz (80+80 and 160 MHz via future upgrade)	• 20, 40 and 80 MHz (160 MHz via future upgrade)	• 80 MHz, 40 MHz and 20 MHz
Throughput	• 1581 Mbps (Quad Stream), 755 Mbps (Dual Stream) @ 80 MHz • 820 Mbps (Quad Stream), 435 Mbps (Dual Stream) @ 40 MHz • 442 Mbps (Quad Stream), 223 Mbps (Dual Stream) @ 20 MHz	• 755 Mbps (Dual Stream) @ 80 MHz • 435 Mbps (Dual Stream) @ 40 MHz • 223 Mbps (Dual Stream) @ 20 MHz	• 755 Mbps (Dual Stream) @ 80 MHz • 435 Mbps (Dual Stream) @ 40 MHz • 223 Mbps (Dual Stream) @ 20 MHz	• Up to 500 Mbps @ 80 MHz • Up to 435 Mbps @ 40 MHz • Up to 223 Mbps @ 20 MHz
TX Power	• Up to 26 dBm (dual chain) or 29 dBm (quad chain)	• Up to 26 dBm (dual chain)	• Up to 27 dBm (dual chain)	• Up to 27 dBm (dual chain)
Antenna	• SX5-1040A : Four RP-SMA Connectors • SX5-1042A : Integrated 4x4 MIMO 18 dBi Quad Polarized 19 degree Panel Antenna plus Four RP-SMA Connectors (Software switch between integrated antenna and connectors)	• SX5-1021A : Integrated 2x2 MIMO 22 dBi dual Polarized 10 degree Panel Antenna plus two RP-SMA Connectors (Software switch between integrated antenna and connectors) • SX5-1029B : Integrated 2x2 MIMO 16 dBi dual Polarized 90 degree Sector Antenna	• SX3-1020A : Two RP-SMA Connectors • SX3-1021A : Integrated 2x2 MIMO 22 dBi Dual Polarized 10 degree Panel Antenna plus Two RP-SMA Connectors (Software switch between integrated antenna and connectors) • SX3-1029B: Integrated 2x2 MIMO 16 dBi dual Polarized 90 degree Sector Antenna	• SX1-1023C: Integrated 2x2 MIMO 15 dBi dual Polarized 35 degree Panel Antenna plus two RP-SMA Connectors (Software switch between integrated antenna and connectors)
Management	• Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced	• Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced	• Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced	• Web GUI (admin, advanced, monitor), CLI, ProximVision Advanced
Security	• AES - 128 bits, upgradeable to AES - 256 bits • Secure management (SSL/TLS, SSH, SNMPv3) • Proprietary nature of RF protocol	• AES - 128 bits, upgradeable to AES - 256 bits • Secure management (SSL/TLS, SSH, SNMPv3) • Proprietary nature of RF protocol	• AES - 128 bits, upgradeable to AES - 256 bits • Secure management (SSL/TLS, SSH, SNMPv3) • Proprietary nature of RF protocol	• AES - 128 bits, upgradeable to AES - 256 bits • Secure management (SSL/TLS, SSH, SNMPv3) • Proprietary nature of RF protocol
Ethernet Ports	• One auto MDI-X RJ45 2.5 Gbps Ethernet with PoE in • One auto MDI-X RJ45 1 Gbps Ethernet with PoE out • One SFP+ cage for 10Gbps fiber module (SR or LR)	• One auto MDI-X RJ45 2.5 Gbps Ethernet with PoE in • One auto MDI-X RJ45 1 Gbps Ethernet with PoE out • One SFP+ cage for 10Gbps fiber module (SR or LR)	• One auto MDI-X RJ45 1 Gbps Ethernet with PoE in • One auto MDI-X RJ45 1 Gbps Ethernet with PoE out • One auto MDI-X RJ45 1 Gbps Ethernet	• One auto MDI-X RJ45 1 Gbps Ethernet with PoE in
QoS				
Mobility				
GPS Localization	• Requires optional GPS antenna	• Requires optional GPS antenna	• Requires optional GPS antenna	• Requires optional GPS antenna
Humidity - IP Rating	• 100% relative humidity - IP67	• 100% relative humidity - IP67	• 100% relative humidity - IP67	• 100% relative humidity - IP67
Operating Temperature	• -40° to 60°C	• -40° to 60°C	• -40° to 60°C	• -40° to 60° C
Dimensions	• SX5-2040A : 250 x 220 x 62 mm, 1.6 Kg • SX5-2042A : 371 x 371 x 97 mm, 3.0 kg	• SX5-1021A : 305 x 305 x 90 mm, 2.4 kg • SX5-1029B : 371 x 371 x 97 mm, 3.0 kg	• SX3-2020A : 250 x 220 x 62 mm, 1.6 Kg • SX3-2021A : 305 x 305 x 90 mm, 2.4 kg • SX3-1029B: 371 x 371 x 97 mm, 3.0 kg	• SX1-1023C: 170 x 217 x 56 mm, 1.24 kg
Product Models	• SX5-1040A-WD Quickbridge • SX5-1042A-WD Quickbridge • SX5-1040A-WD - All-Purpose • SX5-1042A-WD - All-Purpose	• SX5-1021A-WD Quickbridge • SX5-1021A-WD - All-Purpose • SX5-1029B-WD - Base Station	• SX3-1020A-WD Quickbridge • SX3-1021A-WD Quickbridge • SX3-1020A-WD - All-Purpose • SX3-1021A-WD - All-Purpose • SX3-1029B-WD - Base Station	• SX1-1023C-WD