INDOOR X2 ACCESS POINTS

With a powerful integrated controller, zero-touch provisioning, and available cloud-based network management, Xirrus X2 Access Point provides powerful Wi-Fi solutions for environments including classrooms, offices, hospitals, hotel rooms, and more. Xirrus Access Point is backward compatible and supports latest 802.11ac Wi-Fi standards at an affordable cost.

CONFIGURATION SPECIFICATIONS

	X2
Chassis Dimensions	8" Diameter, 1.82"H
Supported Standards	802.11a/b/g/n/ac
Total Number of Radios	2
Radio Type	2x2, 867Mbps
MIMO Technology	SU-MIMO
Maximum Wi-Fi Bandwidth	1.1Gbps
Maximum Wi-Fi Backhaul	867Mbps
Maximum Associated Devices	512 per AP
Wired Uplinks: **802.3ad (Aggregate traffic), broadcast, link-backup (failover), load balancing**	1GbE
Maximum Power Consumption	12.5W (PoE)
Max SSIDs	8
Max VLAN	52
Weight	2lbs

XIRRUS WI-FI NETWORKS

TECHNICAL BRIEF

INDOOR X2 ACCESS POINTS

TECHNICAL SPECIFICATIONS

Features	Specifications	
RF Management	Dynamic channel configuration Dynamic cell size configuration RF monitor Re-use and increase wireless device density through tight power controls.	
Wireless Protocols	IEEE 802.11a, 802.11ac, 802.11b, 802.11d, 802.11e, 802.11g, 802.11h, 802.11i, 802.11k, 802.11n	
Wired Protocols	IEEE 802.3 10BASE-T, IEEE 802.3.u 100BASE-TX , 1000BASE-T, 802.3ab 1000BASE-T IEEE 802.1q – VLAN tagging IEEE 802.1d – Spanning tree	
RFC Support	RFC 768 UDP RFC 791 IP RFC 792 ICMP RFC 793 TCP	
Security	IEEE 802.11i WPA2, RSN RFC 1321 MD5 Message-digest algorithm RFC 2246 TLS protocol version 1.0 RFC 3280 Internet X.509 PKI certificate and CRL profile	
Encryption Types	Open, WEP, TKIP-MIC: RC4 40, 104 and 128 bits SSL and TLS: RC4 128-bit and RDA 1024 and 2048 bit	
Authentication	• IEEE 802.1x • RFC 2716 PPP EAP-TLS • RFC 2865 RADIUS Authentication • RFC 2866 RADIUS Accounting • RFC 2867 Tunnel Accounting • RFC 2869 RADIUS Extensions • RFC 3576 Dynamic Authorizations extensions to RADIUS • RFC 3579 RADIUS Support for EAP • RFC 3748 EAP-PEAP	• RFC 5216 EAP-TLS • RFC 5281 EAP-TTLS • RFC 2284 EAP-GTC • RFC 4186 EAP-SIM • RFC 3748 Leap Passthrough • RFC 3748 Extensible Authentication Protocol • Support for External WPR, Landing Page and Authentication • Support for EasyPass Access Services – Guest, Onboarding, Voucher and Personal Wi-Fi
Regulatory Compliance	EMC, Safety and Wireless • FCC CFR 47 Part 15, Class B • ICES-003 Class B • FCC Subpart C 15.247 • FCC Subpart E 15.407 • RSS-247 • EN 301 893 • EN 300 328 • EN 301 489 1 & 17 • EN 62311 • EN 55022 (CISPR 22) • AS/NZS4268 + CISPR22	Safety • IEC 60950-1 • EN 60950-1 • UL 60950-1 • CSA 22.2 No.60950-1-03 • AS/NZS 60950.1 • Air handling space (UL 2043)
Environmental Specifcations	Operating Temperature: 0-50°C, 5-90% humidity, non-condensing Storage Temperature: -40°C to 70°C	
Channel Support 2.4GHz (Channel selections are based upon country code selections)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	
Channel Support 5GHz (Channel selections are based upon country code selections)	U-NII-1 – Non-DFS channels 36 40 44 48 U-NII-2A DFS channels(1) 52 56 60 64	U-NII-2C DFS channels(1) 100 104 108 112 116 120 124 128 132 136 140 144 U-NII-3 Non-DFS channels 149 153 157 161 165

(1) DFS channels will be available upon regulatory certification.

TECHNICAL BRIEF

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Features	Specifications
Management Interfaces	Command line interface (for troubleshooting only) Xirrus Management System (XMS) • XMS-Cloud • XMS-Enterprise
Management	• RFC 2578 Structure of Management Information Version 2 (SMIv2) • RFC 2579 Textual Conventions for SMIv2 • RFC 3418 Management Information Base (MIB) for the Simple Network Management Protocol (SNMP) • Integration with Splunk for accurate search and analysis of intra-organizational IT events • Netflow Export v9 and IPFIX compatibility allows for IP traffic statistics collection

Part Number	Description
CONFIGURED MODELS	
X2-120	Dual radio 2x2 MIMO 802.11ac AP with up to 1.1Gbps of total Wi-Fi bandwidth; integrated controller with operating system
ACCESSORIES	
XP1-MSI-20	1 Port 20W PoE Injector that powers 1 AP (X2-120, XR-500). Requires order of appropriate XS-PWR-XX cord for the country where the AP will be deployed; refer to Accessories Guide for other options including managed multi-port injectors
Mountings	Refer to Accessories Guide for options, part numbers and detailed information

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