

Kitefin XE



Kitefin XE

The Kitefin XE system provides wireless connectivity without the use of radio frequencies allowing connectivity where previously not possible.

pureLiFi's game-changing LiFi system Kitefin XE is a room-filling access point (AP) that covers over 80sq. Meters (860sq. Feet) of space, flooding the room with high speed, low latency and highly secure wireless connectivity with near zero electromagnetic signature.

Kitefin XE supports multiple access, roaming, complete mobility and ease of use – providing a level of user experience that is comparable to existing wireless technologies such as WiFi with the added security of communicating data over the light spectrum.

The Kitefin XE system is comprised of an AP which wirelessly communicates with a USB client compatible with Android, Windows and Linux devices. The system complies with the latest global LiFi standard IEEE 802.11bb.

Kitefin XE Access Point



Kitefin XE USB Client



Gbps Capacity

High bandwidth data transfer, supporting multiple users with gigabit backhaul capability.

Room Filling

No need for multiple LiFi access points in a typically sized room. The Kitefin XE offers a wide coverage of up to 80sq. Meters of space. 860sq. Feet.

Military Grade Security

Compliant with WPA3-Enterprise and FIPS140-3 (production release) standards, ensuring robust security for sensitive communications

Seamless Integration

Can be integrated into existing 802.11 infrastructure, making it "plug & play" installation alongside current wireless networks

Connectivity

solutions for Ethernet. Fibre and PoE+ deployments

System Performance

Total max capacity	1 Gbps Backhaul Connectivity
Typical single user bandwidth	270 Mbps Uplink – 270 Mbps Downlink

System Overview

Wireless Protocol	IEEE 802.11bb
Operating Distance	0.5m – 5m
Number of Users	Multi-user
Coverage Area	80sq Meter / 860sq Feet
Laser safety classification	IEC 60825-1, Class 1M
Operating temperature	-25 to 60 °C
Storage temperature	-40 to 85 °C

Security

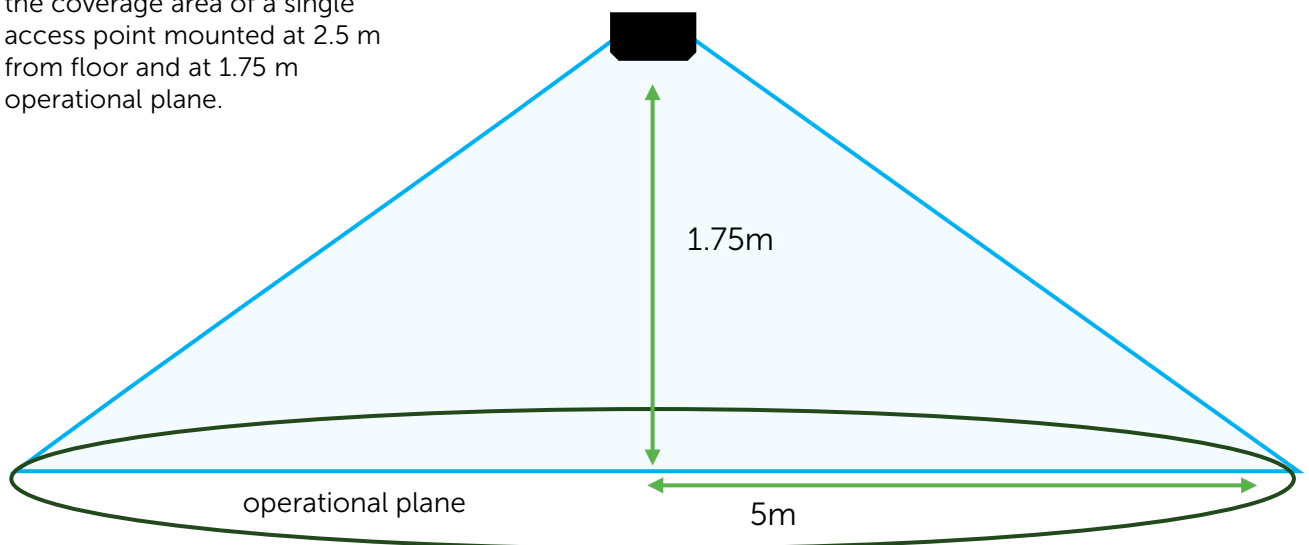
Compliance	FIPS 140-3 (production release) Designed for compliance with - NIAP WLAN Access System (v1.0) PP-Module
Authentication & Encryption	WPA3 Personal and Enterprise with GCM 256 support
Hardware	Tamperproof housing

Kitefin XE USB Client

Data Interface	USB 3.0
OS Support	Android, Windows, Linux

LiFi Coverage Area

The Kitefin XE system eliminates the need for multiple access points to provide complete coverage of a typical room. This figure illustrates the coverage area of a single access point mounted at 2.5 m from floor and at 1.75 m operational plane.



Get In Touch

To receive a quote or more information on our range of LiFi systems contact the pureLiFi team.

+44 131 516 1816

Info@pureLiFi.com

www.pureLiFi.com

©2025 pureLiFi Limited. All Rights Reserved. The content of this document is the property of pureLiFi Limited or its licensors. No part of this document may be photocopied, reproduced, stored in a retrieval system, or transmitted, in any form or by any means whether, electronic, mechanical, or otherwise without the prior written permission of pureLiFi Limited. Product and company names herein may be the trademarks of their respective owners.

The content of this publication is for general information only. pureLiFi Limited reserves the right to change details in this publication without notice. The information in this publication should not be relied upon to make any business, legal or other decision. pureLiFi Limited makes no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, fitness for purpose, availability, title or non-infringement of third party rights with respect to the information, products, services or related graphics contained in this document for any purpose. Any reliance you place on the content of this document is at your own risk.

To the extent permitted by law in no event will pureLiFi (or its subsidiaries or employees) be liable to you or anyone else for any direct or indirect, consequential, special or similar (even if advised of the possibility of such damages) loss or damage related to any decision made or action taken in reliance on the information in this document, or for any omissions or inaccuracies in this document.

Under no circumstances shall the information in this publication be considered to be legally binding on pureLiFi or part of our terms and conditions of sale.