



DATALIGHT® Wifi Spot

product description:



Wifi Access Point for installation on ceiling or walls, in front of an installation box or desktop installation. One optical port to connect DATALIGHT Fibre DLF. The Wifi Spot provides wireless network access with two antennas each for 2.4 and 5 GHz, enabling connection for wireless devices with data rates up to 1.167 Mbps.

With DATALIGHT Fibres, the Wifi Spot can be connected through wall and ceilings to other DATALIGHT devices with 1 Gbps of speed. Lots of mobile devices may be connected to the network wireless.

Configuration and provisioning can be done via Web Interface or the associated Mobile App. Thanks to fast Wifi 5 standard and 2x2 MU-MIMO functionality, several mobile devices can be connected with high speed to one Access Point.



1 x POF
Dual Band Wifi



Cat. no.:	Type	Content	PU	Total width mm	Total height mm	Total depth mm	Weight PU/kg
257 41 001	DLCAP1201	1	STK	170	170	40	0,33

Wireless features	
Wireless data rate	1.167 Mbps (867 Mbps + 300 Mbps)
Wireless standards	Wifi 4/5 (IEEE 802.11 n/ac)
Band	2.4 GHz/ 5GHz
Security and encryption	WPA2
Types of function	Accesspoint, Bridge
number of antennas	4 (2x2 MU-MIMO)

General properties	
Interface / number of ports	1 x POF
Transmission rate	1.000 Mbps
Operating temperature	0 °C to +40 °C (32°F to 104°F)
Protection class according to EN 60529	IP 20
Protection class according to EN 61140	II
Installation	Desktop, Ceiling, Wall
Configuration via integrated Web-Server	•
Configuration via Mobil App	•
integrated Wifi-Antenna	•
On/Off switch (Wifi)	•

Electrical characteristics	
Voltage	100 - 240 V ~ 50-60 Hz
Power consumption	max. 7.5 W, typ. 4 W, min. 3.6 W

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Optical properties

Data transmission rate	1000 Mbps, adaptive lower according to specified power budget
Gigabit Ethernet output power (transmitter)	-5.8 dBm min.
Gigabit Ethernet input power (receiver)	-16.5 dBm min.
Gigabit Ethernet transmission length	typ. 50 m (164 ft.) with POF 2.2 mm class A4.a2 acc. to IEC 60793-2
Maximum transmission length	typ. 90 m (295 ft.) with POF 2.2 mm class A4.a2 acc. to IEC 60793-2
Backward compatibility	Backward compatible with 802.3-FX (100 Mbps POF)
Wavelength	typ. 650 nm

Standardisation

EN 60950-1:2006 Information technology equipment - Safety - Part 1: General requirements

Source: Official Journal of the European Union of 11.09.2014 / Applied in full

EN 60825-2:2004 Safety of laser products - Part 2: Safety of optical fibre communication systems (OFCS)

Source: Official Journal of the European Union of 11.09.2014 / Applied in full

EN 55022:2010 Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement

Applied in full

EN 55025:2010 Information technology equipment - Immunity characteristics - Limits and methods of measurement

Applied in full

EN 50581:2013-02 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Applied in full

ETSI EN 301 489-1 V1.9.2 (2011-09) EMC standard for radio equipment and services; Part 1: Common technical requirements

Applied in full

ETSI EN 301 489-17 V2.2.1 (2012-09) EMC standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems

Applied in full

ETSI EN 300 328 V1.8.1 (2014-04) Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques

Applied in full

Risk analysis

The product has been manufactured and tested according to the harmonized standards EN 60950-1:2006 and EN 60825-2:2004 in the sense of harmonization legislation of the EU. All safety-relevant tests have been adhered to. This product poses no further risk.

Zubehör

Medium-duty corrugated plastic conduit	FFKuS DATALIGHT®	257 10 025
Data line	DLF	257 8x xxx
Separating tool	DLCUT	257 90 001
Connector	DLCON	257 50 002
Switch	DLES1026	257 31 026
Converter	DLC1011	257 40 011

Hotline

Since technical developments cannot be foreseen, electrical installations should provide the possibility to be expanded at any time. If you generously install a system of unused conduits today, you can easily expand your electrical installations later. You save lots of time, money and effort!

We are happy to help you with your technical questions. Prompt information can be obtained from our technical consultants at +49 9525 88-8123.

