

# FL BLUETOOTH AP - Wireless module



2737999

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Factoryline Wireless Bluetooth Access Point, Bluetooth V2.0, 2.4 GHz frequency band, 1 wireless interface, WLAN-BlackChannelList, LEM, country approvals, IP20, COMBICON connection 9 - 30 V DC, RJ45 connection LAN, DSUB9-RS-232, SMA(f) antenna connection

## Your advantages

- Protocol-transparent communication on Layer 2
- WLAN coexistence functions AFH, LEM, black channel listing
- Range\* of up to 200 m
- Integrated special antenna (EPA)

## Commercial data

Item number	2737999
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DNN2B1
GTIN	4046356042932
Weight per piece (including packing)	247.9 g
Weight per piece (excluding packing)	246.5 g
Customs tariff number	85176200
Country of origin	SE

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## Technical data

### Product properties

Product type	Wireless module
Type	Stand-alone

### Wireless card

Number	1
Type	Bluetooth, 2.4 GHz ... 1 Mbps
Assembly note	Permanently installed

### Electrical properties

Maximum power dissipation for nominal condition	4.8 W
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### Supply: Module electronics

Connection method	Via COMBICON
Supply voltage	24 V DC
Supply voltage range	9 V DC ... 30 V DC
Supply current	200 mA
Current consumption	200 mA (at 24 V DC)

### Interfaces

#### Ethernet

Interface	Ethernet
Number	1
Connection method	RJ45 jack

#### Antenna

Number	1
Connection method	SMA (male)

#### Functions

Operating modes	Access point / Ethernet client adapter / (COM server)
Configuration	Web-based management
Automatic channel selection	FHSS, AFH
Security	128-bit data encryption
	MAC filter
	Authentication
	PIN
	Non-discoverable
Wireless licenses	Europe, additional countries in the e-shop
Country support	Australia (Special rule: Please contact the Product Manager)
	Belgium
	Bulgaria
	Denmark

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	Germany
	Estonia
	Finland
	France
	Greece
	Great Britain
	Ireland
	Iceland
	Israel
	Italy
	Canada
	Latvia
	Liechtenstein
	Lithuania
	Luxembourg
	Malta
	Netherlands
	Norway
	Austria
	Poland
	Portugal
	Romania
	Russia (Special rule: Please contact the Product Manager)
	Sweden
	Switzerland
	Singapore
	Slovakia
	Slovenia
	Spain
	Czech Republic
	Turkey
	Hungary
	USA
	Cyprus (rep.)

## Serial

Connection method	D-SUB 9 plug
Protocols supported	RS-232

## Wireless

Designation	Bluetooth
Antenna connection method	SMA (female)
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)
Frequency band	2.4 GHz
Wireless standard	Bluetooth 2.0

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Transmission power	max. 14 dBm (with automatic control)
Number of wireless interfaces	1
Wireless modules that can be connected	7
Profiles supported	LAP, PAN, SPP

## Dimensions

Width	80 mm
Height	65 mm
Depth	25 mm

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-30 °C ... 65 °C
Air pressure (operation)	795 hPa ... 1080 hPa (up to 2000 m above sea level)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 90 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)

## Standards and regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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## Mounting

Mounting type	Panel mounting, optional DIN rail mounting
	Panel mounting
Assembly note	External OMNI antenna, antennas can be exchanged

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## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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