



SMA-L-WIFI

MA SIGMA LITE WiFi pack - For SIGMA LITE and LITE PLUS Series - Wi-Fi dongle + cable

Product description

MA SIGMA LITE WiFi pack - For MorphoAccess® SIGMA LITE and LITE PLUS Series. It includes a Wi-Fi dongle + cable. The S/N or License ID of the target terminal shall be provided together with the order for License generation.

The Wi-Fi™ dongle shall be preferably installed outside the product (separate area shall be reserved in the wall) and connected to the internal USB Mini B (at the rear of the terminal) using Morpho cable provided in the kit.

Exposure

The Wi-Fi™ dongle shall not be exposed to temperature exceeding 50°C (don't forget to count the thermal dissipation of the product and of the Wi-Fi™ dongle).

Power

Wi-Fi™ feature requires the product to be powered from an external AC/DC 12V to 24V power supply (the POE doesn't provides enough power for both the terminal and the Wi-Fi™ dongle)

Details

- The administrator must have plugged in a Morpho Wi-Fi™ USB adapter in the rear USB port of the terminal
- Please refer to "MorphoAccess® SIGMA Series terminal USB port with a Wi-Fi™ adapter" for MorphoAccess® SIGMA Series and for MorphoAccess® SIGMA Lite terminal refer to MorphoAccess® SIGMA Lite Series Quick User Guide
- The administrator must ensure that a Wi-Fi™ license (dedicated to this terminal) must be present in the terminal (as described in "Communication licenses"), After the above operations ensure to reboot the terminal

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Technical specifications

Technology

Reader type	BioMetric
Wireless Standard	802.11 b/g/n
Module Type	Host Controller Interface (HCI)
OS Compatibility	Linux, MAC OSX and Windows XP - 10
Security	64 bit/ 128 bit WEP, TKIP, AES, WPA, WPA2 WPS button for easy and secure establishment of a wireless network

System

Max. reader distance to panel	WiFi : 90m
Reader accessory	Installation kit

Biometric

Biometric type	Fingerprint, FingerVein
Biometric sensor type	Optical, Optical, UPEK TCS1

Interface & connections

Interface	Ethernet
Connector type	Pigtail
Chipset	Realtek
Antenna	Onboard Chip Antenna
Interfaces	USB 2.0 (Full Speed)

Support

Language installation manual	English
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Electrical

Power supply type	VAC
Power supply value	12 to 24 V
Current Consumption	Transmit: average 305 mA
Current Consumption	Receive: average 190 mA

Physical

Physical dimensions	52.3 x 24.4 x 9.8 mm
Net weight	10.2g
Colour	Black
Mounting type	In cabinet

Environmental

Vandal proof	No
Operating temperature	0°C to +50°C
Relative humidity	5% to 90% maximum (non-condensing)
Environment	Indoor
IP rating	IP65

Standards & regulation

Compliance	CE, FCC, FCC Part 15 Class A, REACH, RoHS, WEEE
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RF Characteristics

Tx Output Power	(+/- 2dBm): 14dBm@11n, 17dBm@11b, 14dBm@11g
Rx Sensitivity	11Mbps -80dBm@8%,54Mbps -70dBm@10%,130Mbps -64dBm@10%
Range (in open space)	Up to 180m
Range (indoor)	Max 90m
Data Transfer Rate	1,2,5.5,6,11,12,18,22,24,30,36,48,54,60,90,120, 180,240,270 and maximum of 300 Mbps
Frequency	2.4GHz ISM Band
Modulation Scheme	BPSK/ QPSK/ 16-QAM/ 64-QAM
Spread Spectrum	IEEE 802.11b: DSSS (Direct Sequence Spread Spectrum)
Spread Spectrum	IEEE 802.11g/n: OFDM (Orthogonal Frequency Division Multiplexing)



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