



Business Mesh-WiFi Router Airfy Node i7

Flexible, versatile and absolutely reliable through meshing.



What is Airfy Node?

The "Airfy Node i7" is a professional WiFi router with two independent wireless modules. The router is mainly used in the business sector to provide reliable and stable connections for WiFi-enabled devices.

What are the advantages of the Airfy Mesh Router?

Meshing

Internally, the router has two wireless modules. One module connects to WiFi-enabled devices such as laptops, tablets, smartphones, etc. and provides access to the network. The second wireless

module connects independently to other Airfy routers using the so-called mesh technology. Thus, not all WiFi routers necessarily require a network cable connection.

Roaming

The roaming feature ensures uninterrupted WiFi utilisation when using several Airfy routers. A crossover into the transmission range of another Airfy router does not terminate the connection and there is no connection interruption either.

With and without Cloud

Depending on the application, the Airfy

Node i7 can be operated and managed either in "stand-alone" mode or integrated into "Airfy Cloud". An Internet connection is required for "Airfy-Cloud" integration.

Guest WiFi

Using the Airfy Node i7 via "Airfy Cloud" allows setting up WiFi guest accesses, e.g. for customers and selected user groups. In conjunction with an "Airfy-Cloud" licence, automated marketing in various forms is also made possible.

highlights Airfy Node i7

WiFi	2 radio cards
transmission capacity	100 mW per radio card
temperature range	-10°C to +60°C (environment)
WiFi standard	802.11 a/b/g/n
ethernet	2x 10 / 100 / 1000 MBit
connection	Reset, USB
antennas	external antennas with RP-SMA
enclosure	aluminium
extension	PoE-module, iBeacon-module
field of application	business & industrial environment

accessories & spare-parts

Node-i7-11	replacement Node
Node-i7-12	power supply
Node-i7-13	network cable 1m
Node-i7-14	network cable 3m
Node-i7-15	antenna 2.4 GHz
Node-i7-16	antenna 5 GHz
Node-i7-17	wall mounting
Node-i7-18	stand mounting
Node-i7-19	iBeacon-module
Node-i7-20	PoE-module

details Airfy Node i7

functionality	Accesspoint für WiFi-Clients & Meshing zur Verbindung zwischen anderen Airfy-Nodes
management	Web-Interface via browser with & without Airfy cloud
without Airfy-Cloud	The Airfy Node i7 can also be used without WiFi connectivity as a WiFi router with all standard functions. The following functions are available via the user menu called up over the browser: status overview, IP configuration (manual or DHCP client), WiFi configuration, DHCP server, meshing incl. bridging & roaming, firmware update, login password, overview of other nodes in the network, possibility to switch to cloud operation.
with Airfy-Cloud	Integration with Airfy Cloud is an optional feature of the Airfy Node i7 and offers mainly remote maintenance functions, as well as automated marketing in various forms. Depending on individual licencing, the following features are available: multiple site management, remote maintenance of multiple nodes per site, Wi-Fi & network configuration, guest WiFi, Smart Wireless Marketing, surveys, WiFi portal designer, Dashboard & Feed, and other Cloud features.
WiFi standards	802.11 a/b/g/n
antenna connectors	4x RP-SMA-Female, 2x 2.4 GHz, 2x 5.X GHz
WiFi module 1	802.11 - 2.4 GHz 802.11 G/N 2x2
WiFi module 2	802.11 - 5 GHz 802.11 A/N 2x2
security	WPA2-PSK or Client- & Mesh-devices
power 1	9-24 V DC power connection
power 2	passive „Power over Ethernet“ 9-24 V by Airfy-powersupply though passive PoE-adapter
power 3	optional: active „Power over Ethernet“ (802.3af PoE) 48 V
temperature	-10°C to +60°C environment
mounting	Wall- and standmounting
certification	CE, EN 301489-17, EN 60950-1:2006, FCC (optional)
warranty	2 year warranty by Airfy Factory Switzerland AG
measurment	height x width x depth: 180 x 205 x 40 mm
weight	1,4 Kg router & antenna, 2,1 Kg packaging including router & accessories
scope of delivery	Airfy Node i7, 4 antennas, 1 power supply, 2 network cable (3+1 m), wall mounting, stand mounting
article	„Airfy Node i7“ for power 1 & 2, „Airfy Node i7p“ for power 3
fabrication	Switzerland

Classic or modern?

With the Airfy Node i7, the choice is yours. Use the WiFi router with or without Airfy Cloud connectivity. Depending on the application, it may be useful to use Airfy Cloud, because special functions, such as additional customer WiFi or comfortable remote maintenance, are available only with a Cloud connection. If you wish to use the Airfy Router only for yourself, i.e. without customer WiFi and remote maintenance, use without Airfy Cloud is recommended.



with Airfy Cloud

without Airfy Cloud

Your project	You need a professional WiFi router without customer WiFi function and remote maintenance.	You wish to offer your customers WiFi access while taking advantage of "digital marketing". You also want to use the router internally.
Use Case 1	WiFi for your own use in the company.	Customer WiFi for marketing, among other purposes.
Use Case 2	Large-area deployment of multiple nodes connected through meshing.	WiFi for your own use in the company.
Use Case 3	Frequent movement of WiFi devices between the nodes, seamless crossovers via roaming..	Use meshing to connect multiple nodes including roaming functionality.
Internet required?	No Internet connection is required to use the Airfy Node i7 without Airfy Cloud.	Yes, to connect the Airfy Node i7 to Airfy Cloud, an Internet connection is required.
Requirements	Power connection at the deployment site.	Power connection at the deployment site as well as an Internet connection with at least 10 Mbit/s.
What do I need?	Only the Airfy Node i7, no accessories.	The Airfy Node i7 and an Airfy Cloud licence. Contact us to find out which Cloud licence is the best for you.



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