ARF45-PRO

A

Serial to Wifi Gateway

The ARF45 are a family of Serial to Wifi gateways. They permit an **immediate connection of any serial device to a Wifi network with an enhanced level of security.**
Available in a **ready to use IP65 case**, they allow a data wireless link over **200m**. The range comes in two versions:
* **"Standard" model** proposes RS232 / RS485 interface & complies with the 802.11b and 802.11g network standards with **WPA-PSK (personal)** security.
* **"Pro" model** works in RS232. In addition to all "standard" features, it complies with the 802.11i standard with an "advanced" **WPA-2 Enterprise** security protocol.

Both versions incorporate **"Roaming" technology**, making it possible to connect to the nearest Wifi access point and/or the one with the strongest radio signal automatically. This ensures a reliable and uninterrupted connection to the network whatever the environment for applications requiring mobility.

In order to make their use and deployment easy, they have an **on-board web server** accessible via any standard internet browser (I.E., Firefox). In addition, they offer the option of creating an **XML file** enabling users to save and duplicate a standard configuration.

They are the ideal networking solution for applications requiring a maximum level of security in sectors such as robotics, logistics and industrial computing.

Specifications

	ARF45 Standard	ARF45 PRO
WIFI		
• Frequency	2.412 à 2.484GHz	
• Radiated RF power	32mW	
• Sensitivity	-82dBm	
• Modulation	DSSS	
• Data rate	11Mbits/s and 54Mbits/s	
• Supported protocols	TCP-IP, DHCP, BOOTP, ICMP , ARP, UDP, ICMP, SNMP, DHCP, TFTP, Telnet, HTTP, HTTPS, Auto IP, SMTP	Same as standard version + v2C, FTP, PPP, SSL/TLS, SSH, RSS, DNS
• Network standard	802.11b, 802.11g	Idem + 802.11i
• Security	WEP64, WEP128, WPA-PSK, WPA2-PSK	Idem WPA2-Enterprise (EAP-TLS, EAP-TTLS, PEAP, LEAP)
• "Roaming" + Auto fallback technologies		

Gateway Interface

• Flow control	RTS/CTS	
• Configuration	via RS232 / Telnet connexion / HTTP server	
• Modes	Transparent	
• Wired transmission rate	2.4 à 921.6kbps	2.4 à 230kbps
• Serial ports	RS232 / RS485	RS232
• XML based configuration		

General informations

• Supply voltage	8 à 30V	
• Rate Consumption	700mA	
• Operating temperature	-30 / +70°C	
• Range	200m	
• Size & packaging	Boitier IP65 - 145 x 100 x 40mm	
• Standard compliance	EN300-328	

Part Numbers

ARF7532I   Wifi gateway - ARF45
ARF7532K   Wifi gateway - ARF45 Pro

Your distributor