

RANGE OF W-MBus AMR PRODUCTS

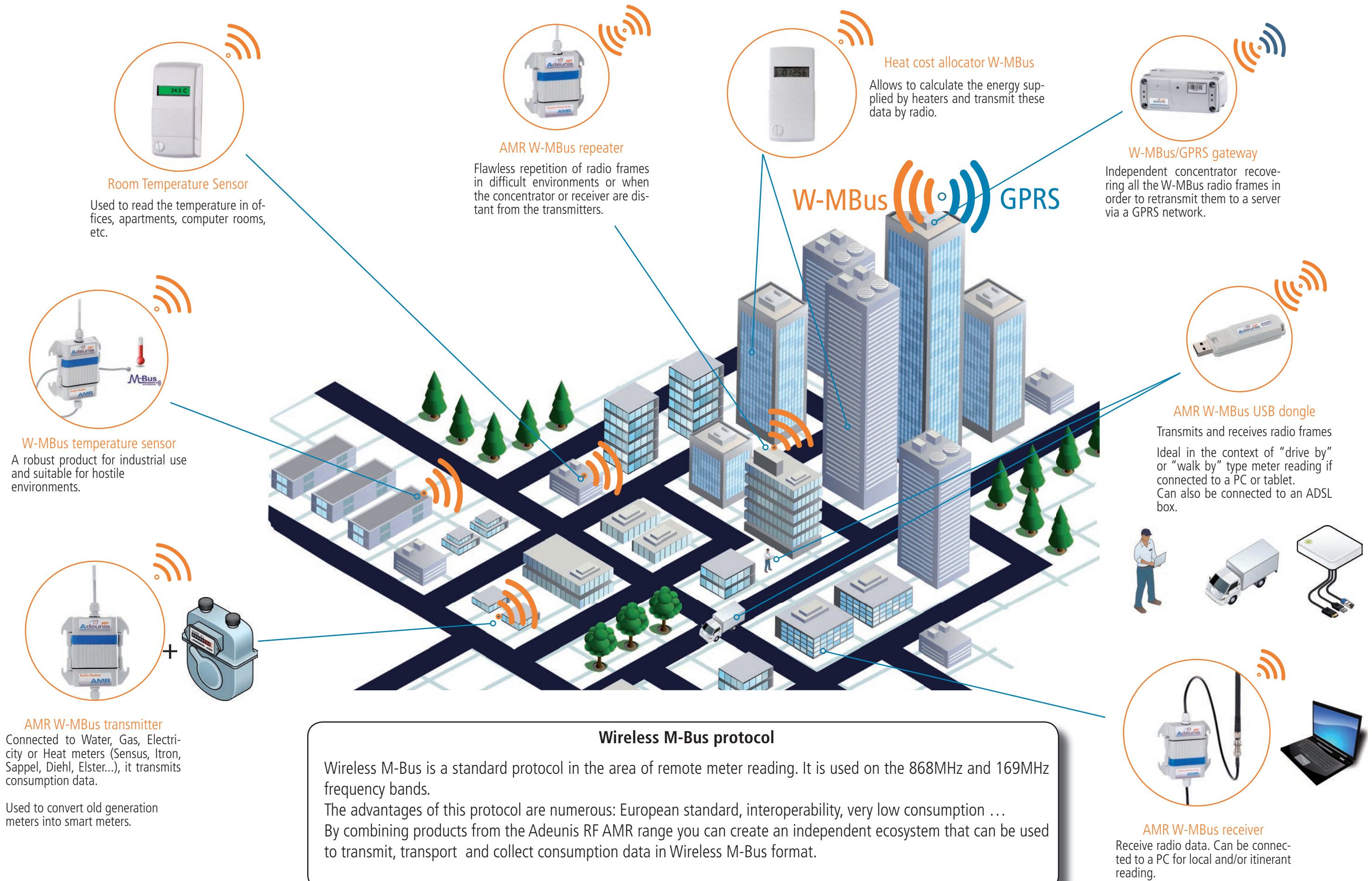


Wireless data transmission

M-Bus
wireless



ADEUNIS RF AMR remote meter reading products ... to create an independent ecosystem that is ready to use.



Technical specifications

AMR W-MBus products	Water/Gas Transmitter	Repeater	Temperature sensor	Room Temperature Sensor	Receiver	USB dongle	W-MBus-GPRS gateway	Heat cost allocator
								
Range	Up to 600 m	Up to 600 m	Up to 600 m	Up to 300 m	Up to 1000 m	Up to 200 m	Up to 1000 m	Up to 300 m
References	ARF7906xx (Gas) ARF7904xx (Water)	ARF7923AA ARF7924AA	ARF7904AA ARF7906AA	ARF8054AA ARF8054BA ARF8055AA ARF8055BA	ARF7922BA ARF7922CA ARF7922EA	ARF8020AA	ARF8011AA ARF8011BA ARF8015AA ARF8015BA	ARF8050AA ARF8051AA
Performance								
Frequencies	868-870MHz	868-870MHz	868-870MHz	868.95MHz	868-870MHz	868-870MHz	868-870MHz	868.95-868.3MHz
RF power	14dBm (25mW)	14dBm (25mW)	14dBm (25mW)	10dBm (10mW)	25mW	14dBm (25mW)	14dBm (25mW)	3dBm (2mW)
RF sensitivity	-	-	-	-	Up to -117dBm	Up to -117dBm	Up to -117dBm	-
Firmware								
Wireless M-Bus modes	T1	T1 Battery repeater: up to 40 products repeated	T1	T1	T1	R1, R2, /S1, S1-m, S2 / T1, T2	T1	T1, S1
	Other optional modes on request							
Transmission period	10 sec, 10 mn or 12 h	4 mn (battery version)	10 sec, 10 mn or 12 h	4 mn	-	-	-	Adjustable
Other functions	Consumption history	-	Consumption history	Measurements from - 30° to +85° Measurement accuracy: from 0.1 to 0.5°C OMS mode 5 compliant AES128 encryption (optional)	-	-	-	Measured temperature: from 5° to 95°C (EN834) AES128 encryption compliant OMS mode 5
Alerts	Fraud detection End of battery life	-	End of battery life	Fraud detection End of battery life	-	-	-	Fraud detection End of battery life
Consumption & needs								
Power supply voltage	3.6V nominal	3.6V nominal	3.6V nominal	from 2 to 3.3 V	4.5 / 36V	5V/USB	4.5 / 36V	from 2 to 3.3 V
Power supply	Self-powered	Self-powered or mains versions	Self-powered	Self-powered	Serial port/mains	USB port	Self-powered or mains versions	Li-MnO2 battery
Life	Up to 12 years	Up to 8 years	Up to 12 years	Up to 11 years	-	-	Up to 5 years	Up to 11 years
General information								
Operating temperature	-40°C / +85°C	-40°C / +85°C	-40°C / +85°C	-40°C / +85°C	-40°C / +85°C	-40°C / +85°C	-40°C / +85°C	-40°C / +85°C
Dimensions	145x100x40 mm	145x100x40 mm	145x100x40 mm	78x39x30 mm	145x100x40 mm	80x20x14 mm	138x80x58.5 mm	78x39x30 mm
Case	IP65	IP65	IP53	IP41	IP65	IP41	IP67 and IK8	IP41
Standards	EN 300-220, EN 301-489, EN 60950, EN 13757-4:2005	EN 300-220, EN 301-489, EN 60950, EN 13757-4:2005	EN 300-220, EN 301-489, EN 60950, EN 13757-4:2005	EN 300-220, -220, EN 301-489, EN 13757-4:2005, OMS 3.0.1	EN 300-220, 220, EN 301-489, EN 60950, EN 13757-4:2005	EN 300-220, EN 301-489, EN 60950, EN 13757-4:2005	EN 300-220, EN 301-489, EN 60950, EN 13757-4:2005	EN 300-220, EN 301-489, EN 60950, EN 13757-4:2005, OMS 3.0.1