

EDGE DEVICES / INDUSTRIAL IOT SOLUTIONS

IloT Gateways / Straton Controllers with Energy protocols

	R-PASS-0-2-E	R-PASS-0-4-E	R-PASS-W-2-E	R-PASS-W-4-E
	Compact multifunction IloT gateway / Straton PLC with Energy prot., 2 Ethernet ports	Compact multifunction IloT gateway / Straton PLC with Energy prot., 4 Ethernet ports	Compact multifunction IloT gateway / Straton PLC with Energy prot., Wi-Fi, 2 Ethernet ports	Compact multifunction IloT gateway / Straton PLC with Energy prot., Wi-Fi, 4 Ethernet ports

GENERAL DATA				
Power supply	10..40 Vdc; 19..28 Vac	10..40 Vdc; 19..28 Vac	10..40 Vdc; 19..28 Vac	10..40 Vdc; 19..28 Vac
Power consumption	Max 8 W	Max 8 W	Max 8 W	Max 8 W
Battery / UPS	With R-COMM add-on module	With R-COMM add-on module	With R-COMM add-on module	With R-COMM add-on module
LED - status indicators	Power supply Serial communication Ethernet communication Wi-Fi communication I/O Status	Power supply Serial communication Ethernet communication Wi-Fi communication I/O Status	Power supply Serial communication Ethernet communication Wi-Fi communication I/O Status	Power supply Serial communication Ethernet communication Wi-Fi communication I/O Status
Isolation	1.500 Vac @ 3 ways	1.500 Vac @ 3 ways	1.500 Vac @ 3 ways	1.500 Vac @ 3 ways
USB Host	Yes	Yes	Yes	Yes
Flash Memory (data)	>= 4 GB	>= 4 GB	>= 4 GB	>= 4 GB
Protection degree	IP20	IP20	IP20	IP20
Operating temperature	-20..+65 °C	-20..+65 °C	-20..+65 °C	-20..+65 °C
Storage temperature	-30..+80°C	-30..+80°C	-30..+80°C	-30..+80°C
Humidity	10..90% non condensing	10..90% non condensing	10..90% non condensing	10..90% non condensing
Connections	3,5 mm pitch terminals USB Type A connector Micro USB connector RJ45 connector (x2)	3,5 mm pitch terminals USB Type A connector Micro USB connector RJ45 connector (x4)	3,5 mm pitch terminals USB Type A connector Micro USB connector RJ45 connector (x2)	3,5 mm pitch terminals USB Type A connector Micro USB connector RJ45 connector (x4)
Built-in I/O	Nr.4DI, Nr.4DO (PNP/NPN), Nr.2AI (V, I)	Nr.4DI, Nr.4DO (PNP/NPN), Nr.2AI (V, I)	Nr.4DI, Nr.4DO (PNP/NPN), Nr.2AI (V, I)	Nr.4DI, Nr.4DO (PNP/NPN), Nr.2AI (V, I)
Dimension (wxhxd)	106 x 90 x 32 mm	106 x 90 x 32 mm	106 x 90 x 32 mm	106 x 90 x 32 mm
Weight	170 g	170 g	170 g	170 g
Case	PC / ABS self-extinguishing UL94-V0, color black	PC / ABS self-extinguishing UL94-V0, color black	PC / ABS self-extinguishing UL94-V0, color black	PC / ABS self-extinguishing UL94-V0, color black
Mounting	DIN-rail EN 60715, wall-mounted / panel-mounted	DIN-rail EN 60715, wall-mounted / panel-mounted	DIN-rail EN 60715, wall-mounted / panel-mounted	DIN-rail EN 60715, wall-mounted / panel-mounted
Approval	CE	CE	CE	CE

COMMUNICATION				
Ethernet ports	Nr.2 Fast Ethernet 10/100Tx ports (1 LAN, 1 WAN) with RJ45 front connector	Nr.4 Fast Ethernet 10/100Tx ports (3 LAN, 1 WAN) with RJ45 front connector	Nr.2 Fast Ethernet 10/100Tx ports (1 LAN, 1 WAN) with RJ45 front connector	Nr.4 Fast Ethernet 10/100Tx ports (3 LAN, 1 WAN) with RJ45 front connector
Serial ports	Nr.1 RS232 / RS485 port on terminals, max baud rate 115kbps Nr.1 RS485 port on terminals , max baud rate 115kbps	Nr.1 RS232 / RS485 port on terminals, max baud rate 115kbps Nr.1 RS485 port on terminals , max baud rate 115kbps	Nr.1 RS232 / RS485 port on terminals, max baud rate 115kbps Nr.1 RS485 port on terminals , max baud rate 115kbps	Nr.1 RS232 / RS485 port on terminals, max baud rate 115kbps Nr.1 RS485 port on terminals , max baud rate 115kbps
USB ports	Nr.1 full host USB port Nr.1 Micro USB debug port	Nr.1 full host USB port Nr.1 Micro USB debug port	Nr.1 full host USB port Nr.1 Micro USB debug port	Nr.1 full host USB port Nr.1 Micro USB debug port
4G+ / UPS	With optional module	With optional module	With optional module	With optional module
Industrial / IT protocols	ModBUS TCP-IP Server/Client, ModBUS RTU Master/Slave, MeterBUS master, SNMP, S7 Client, OPCUA Client/server, FTP/ FTPs Client, FTP/sFTP Server, HTTP/HTTPS server, SMTPs client, Samba, J1939, CANopen	ModBUS TCP-IP Server/Client, ModBUS RTU Master/Slave, MeterBUS master, SNMP, S7 Client, OPCUA Client/server, FTP/ FTPs Client, FTP/sFTP Server, HTTP/HTTPS server, SMTPs client, Samba, J1939, CANopen	ModBUS TCP-IP Server/Client, ModBUS RTU Master/Slave, MeterBUS master, SNMP, S7 Client, OPCUA Client/server, FTP/ FTPs Client, FTP/sFTP Server, HTTP/HTTPS server, SMTPs client, Samba, J1939, CANopen	ModBUS TCP-IP Server/Client, ModBUS RTU Master/Slave, MeterBUS master, SNMP, S7 Client, OPCUA Client/server, FTP/ FTPs Client, FTP/sFTP Server, HTTP/HTTPS server, SMTPs client, Samba, J1939, CANopen
IoT protocols	MQTT(s), OPC UA, https, http post	MQTT(s), OPC UA, https, http post	MQTT(s), OPC UA, https, http post	MQTT(s), OPC UA, https, http post
VPN / security protocols	OpenVPN, TLS	OpenVPN, TLS	OpenVPN, TLS	OpenVPN, TLS
Energy protocols	IEC60870-101 Master / Slave IEC60870-104 Client / Server IEC61850 Client/Server	IEC60870-101 Master / Slave IEC60870-104 Client / Server IEC61850 Client/Server	IEC60870-101 Master / Slave IEC60870-104 Client / Server IEC61850 Client/Server	IEC60870-101 Master / Slave IEC60870-104 Client / Server IEC61850 Client/Server
Wi-Fi	No	No	Built-in WiFi 802.11 b/g/n, band 2.4 ÷ 2.4835GHz, max Output Power: 17dBm (50 mW), security WEP / WPA / WPA2	Built-in WiFi 802.11 b/g/n, band 2.4 ÷ 2.4835GHz, max Output Power: 17dBm (50 mW), security WEP / WPA / WPA2

SETTINGS & ADVANCED FUNCTIONS				
Configuration	Web Server, ZNET4	Web Server, ZNET4	Web Server, ZNET4	Web Server, ZNET4
IEC 61131-3 Control Logic	SoftPLC Straton IEC 61131-3	SoftPLC Straton IEC 61131-3	SoftPLC Straton IEC 61131-3	SoftPLC Straton IEC 61131-3
VPN management software	VPN BOX Manager, OpenVPN, VPN Client Communicator, VPN BOX	VPN BOX Manager, OpenVPN, VPN Client Communicator, VPN BOX	VPN BOX Manager, OpenVPN, VPN Client Communicator, VPN BOX	VPN BOX Manager, OpenVPN, VPN Client Communicator, VPN BOX
Management tools	SDD (Seneca Discovery Device)	SDD (Seneca Discovery Device)	SDD (Seneca Discovery Device)	SDD (Seneca Discovery Device)
IoT supports and third-party platforms	Cloud BOX, LET'S, MQTT(s), OPC UA	Cloud BOX, LET'S, MQTT(s), OPC UA	Cloud BOX, LET'S, MQTT(s), OPC UA	Cloud BOX, LET'S, MQTT(s), OPC UA

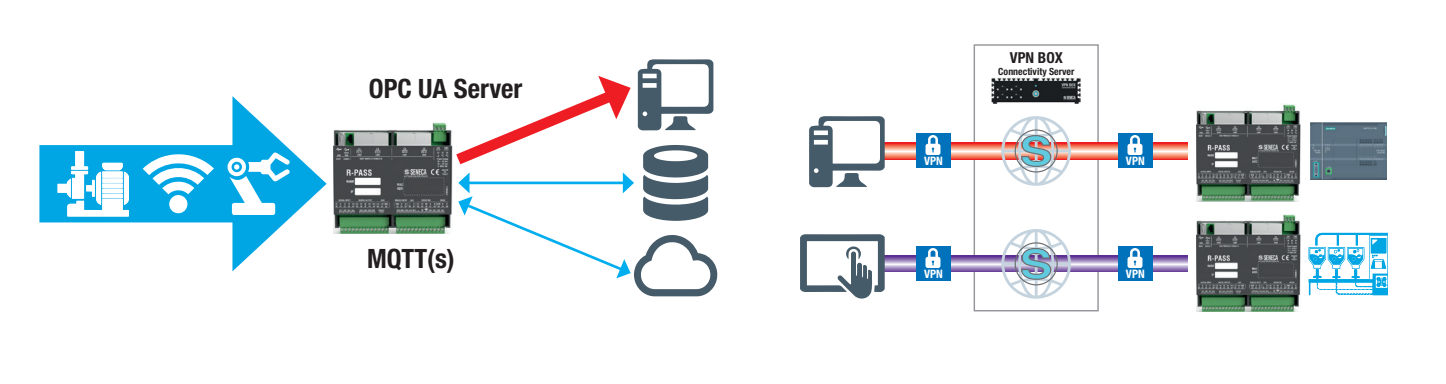
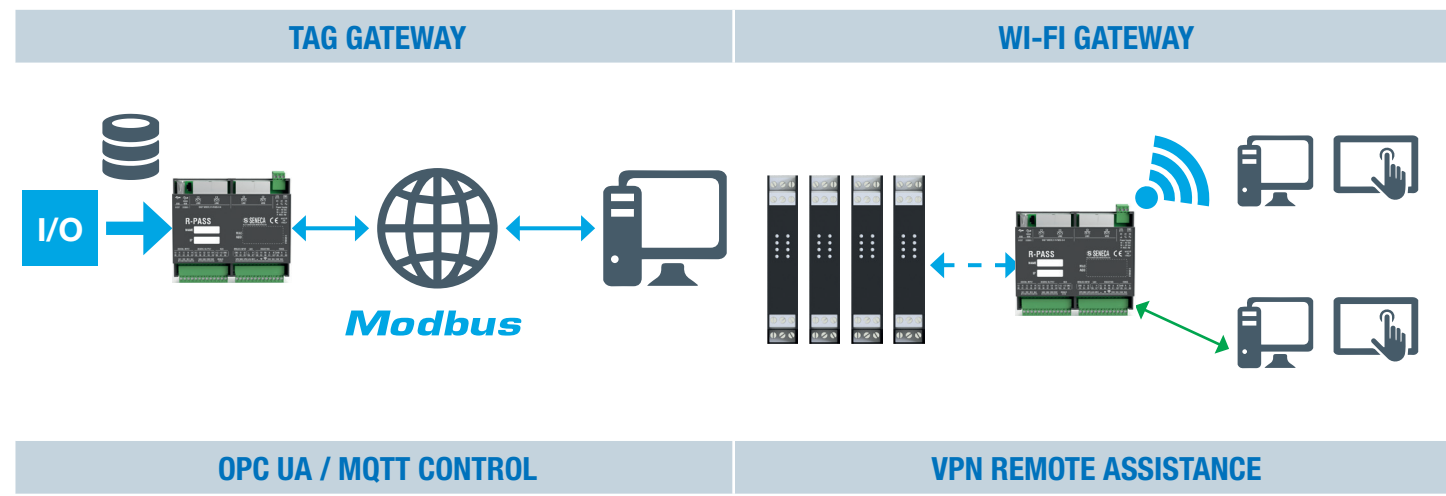
AUXILIARY MODULE

R-COMM is an auxiliary module that interfaces directly with R-PASS modules by providing modem functionality and mini UPS. Available in 3 versions.



	R-COMM-0-4GWW	R-COMM-B-0	R-COMM-B-4GWW
Runtime backup battery / UPS	-	Please see instruction manual	Please see instruction manual
Operating temperature	-20..+55°C	-20..+55°C	-20..+55°C
Mounting	For DIN rail (IEC EN 60715)	For DIN rail (IEC EN 60715)	For DIN rail (IEC EN 60715)
Modem	4G/LTE Model Global LTE-FDD/TDD/CAT1 UMTS/HSDPA/ HSUPA/HSPA+ GSM/GPRS/EDGE		4G/LTE Model Global LTE-FDD/TDD/CAT1 UMTS/HSDPA/ HSUPA/HSPA+ GSM/GPRS/EDGE
GNSS	GPS, GNSS, GLONASS, BEIDOU, GALILEO, QZSS		GPS, GNSS, GLONASS, BEIDOU, GALILEO, QZSS

APPLICATION SCHEMES

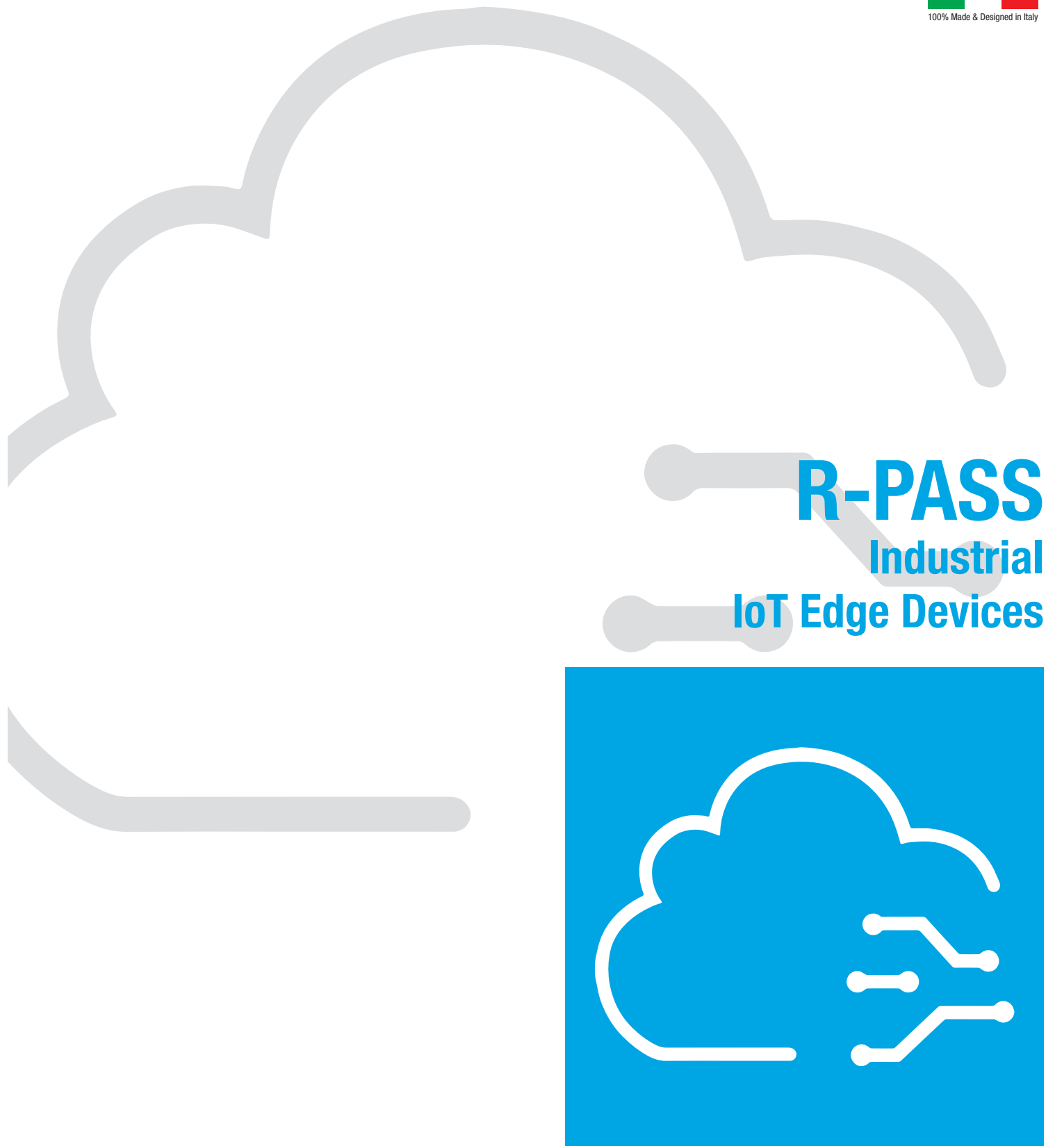


ORDER CODE		ORDER CODE	
Code	Description	Code	Description
R-PASS-0-2-0	Compact multifunction IloT gateway 2 LAN ports	R-PASS-W-2-0	Compact multifunction IloT gateway, Wi-Fi, 2 LAN ports
R-PASS-0-2-E	Compact multifunction IloT gateway / Straton controller with Energy prot., 2 LAN ports	R-PASS-W-2-E	Compact multifunction IloT gateway / Straton controller with prot. Energy, Wi-Fi, 2 LAN ports
R-PASS-0-2-S	Compact multifunction IloT gateway / Straton controller, 2 LAN ports	R-PASS-W-2-S	Compact multifunction IloT gateway / Straton controller, Wi-Fi, 2 LAN ports
R-PASS-0-4-0	Compact multifunction IloT gateway 4 LAN ports	R-PASS-W-4-0	Compact multifunction IloT gateway / compact multifunction IloT, Wi-Fi, 4 LAN ports
R-PASS-0-4-E	Compact multifunction IloT gateway / Straton controller with Energy prot., 4 LAN ports	R-PASS-W-4-E	Compact multifunction IloT gateway / Straton controller with Energy prot., Wi-Fi, 4 LAN ports
R-PASS-0-4-S	Compact multifunction IloT gateway / Straton controller, 4 LAN ports	R-PASS-W-4-S	Compact multifunction IloT gateway / Straton controller, Wi-Fi, 4 LAN ports



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