

Z-TWS.02



PLC, RTU, Web Server.
Multi-function control unit.

Z-TWS-64



64 bit multi-function control unit high performance.

Z-LWS



Micro PLC. Controller for local automation (Web Server, logging e RTU not enabled).

Z-BRIDGE



Bridge TCP/IP. Serial protocol converter from ModBUS RTU to ModBUS TCP/IP.

Z-RTU



All in one RTU, 16(8) DI, 8(4) DO, 4(2) AI, 2 (1) AO on board, GSM/GPRS or PSTN modem

GENERAL DATA

DC Power Supply	12..40 Vdc / (*) 10..40 Vdc	12..40 Vdc / (*) 10..40 Vdc	12..40 Vdc / (*) 10..40 Vdc	12..40 Vdc / (*) 10..40 Vdc	10..30 Vdc
AC Power Supply	19..28 Vac / 50-60 Hz	19..28 Vac / 50-60 Hz	19..28 Vac / 50-60 Hz	19..28 Vac / 50-60 Hz	-
Max consumption	3.5 W	3.5 W	3.5 W	3.5 W	7 W (min); 15 W (max)
Status indicators	Power On	Power On	Power On	Power On	Digital I/O Status
	PLC On	PLC On	PLC On	PLC On	Power supply
	Etherney Link	Etherney Link	Etherney Link	Etherney Link	Error
	Ethernet Connection	Ethernet Connection	Ethernet Connection	Ethernet Connection	Link Ethernet
					Modem Status
Operating temp.	0..+55 °C	0..+55 °C	0..+55 °C	0..+55 °C	-10..+55 °C
Storage temp.	-20..+70 °C	-20..+70 °C	-20..+70 °C	-20..+70 °C	-20..+70 °C
Humidity	30..90% a +40 °C (non condensing)	30..90% a +40 °C (non condensing)	30..90% a +40 °C (non condensing)	30..90% a +40 °C (non condensing)	30..90% a +40 °C (non condensing)
Dimensions	17.5 x 100 x 112 mm	17.5 x 100 x 112 mm	17.5 x 100 x 112 mm	17.5 x 100 x 112 mm	185 x 242 x 90 mm
Weight	250 g circa	250 g circa	250 g circa	250 g circa	875 g
Hot swapping	yes	yes	yes	yes	
Connection	Removable terminals with section of 2.5 mm ²	Removable terminals with section of 2.5 mm ²	Removable terminals with section of 2.5 mm ²	Removable terminals with section of 2.5 mm ²	Removable terminals with section of 2.5 mm ²
Mounting	35 mm symmetrical DIN rail 46277	35 mm symmetrical DIN rail 46277	35 mm symmetrical DIN rail 46277	35 mm symmetrical DIN rail 46277	-
COMMUNICATION, SIGNALS, PROCESSING					
Communication Ports	2 RS485 (I/O bus) 1.200..115.00 bps	2 RS485 (I/O bus) 1.200..115.00 bps	1 RS485 (I/O bus) 1.200..115.00 bps	1 Master RS485 (I/O bus) 1.200..115.00 bps	1 RS485 ModBUS E- xpansion
	1 Ethernet 10Base-T 10 Mb/s	1 Ethernet 10Base-T 10 Mb/s	1 Ethernet 10Base-T 10 Mb/s	1 Ethernet 10Base-T 10 Mb/s	1 Ethernet 10Base-T 10 Mb/s
	1 RS232/RS485	1 RS232/RS485	-	1 RS232/RS485 (system monitor)	1 RS232 debug / user
	1 RS232/RS485 (programmable)	1 RS232/RS485 (programmable)	1 RS232/RS485 (programmable)	-	1 RS232/RS485 (programmable)
					1 internal modem connection
Protocols	ModBUS RTU, PPP, http, FTP, SMTP, TCP/IP	ModBUS RTU, PPP, http, FTP, SMTP, TCP/IP	ModBUS RTU, PPP, http, FTP (download file), TCP/IP	ModBUS RTU (slave), PPP, http, FTP (download files), TCP/IP	ModBUS RTU, PPP, http, FTP, SMTP, TCP/IP
Elaborazione	CPU µP RISC 32 bit - 10 MIPS	CPU µP MISC 64 bit	CPU µP RISC 32 bit - 10 MIPS	CPU µP RISC 32 bit - 10 MIPS	CPU µP RISC 32 bit - 10 MIPS
Flash Memory (data)	16 MB	64 MB	512 KB	512 KB	16 MB
RAM	8 MB	32 MB	256 KB	256 KB	8 MB
Digital Inputs					8+8 digital inputs (internal/external power supply)
Digital Outputs					4+4 digital outputs (relay SPDT, capacity 5A 250 Vac)
Analogue Outputs					1+1 analogue outputs (12 bits resolution, volts/current)
Analogue Inputs					2+2 analogue inputs (14 bits resolution, loop power)
Industrial modem on-board					Dual band GSM 900/1800 MHz, Full Type approval PSTN (option)
Norms	EN50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4, EN 50140/141 ; EN 61010-1; EN 60742	EN50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4, EN 50140/141 ; EN 61010-1; EN 60742	EN50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4, EN 50140/141 ; EN 61010-1; EN 60742	EN50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4, EN 50140/141 ; EN 61010-1; EN 60742	Lg 186, Lg 791/Dir. 73/23/CEE, D.Lgs.615 12.11.96, D.Lgs.626 25.11.96, D.Lgs.277 31.07.97, CEI 110-24, CEI EN 61293, CEI EN 60529, UNI EN 12954, UNI 10950