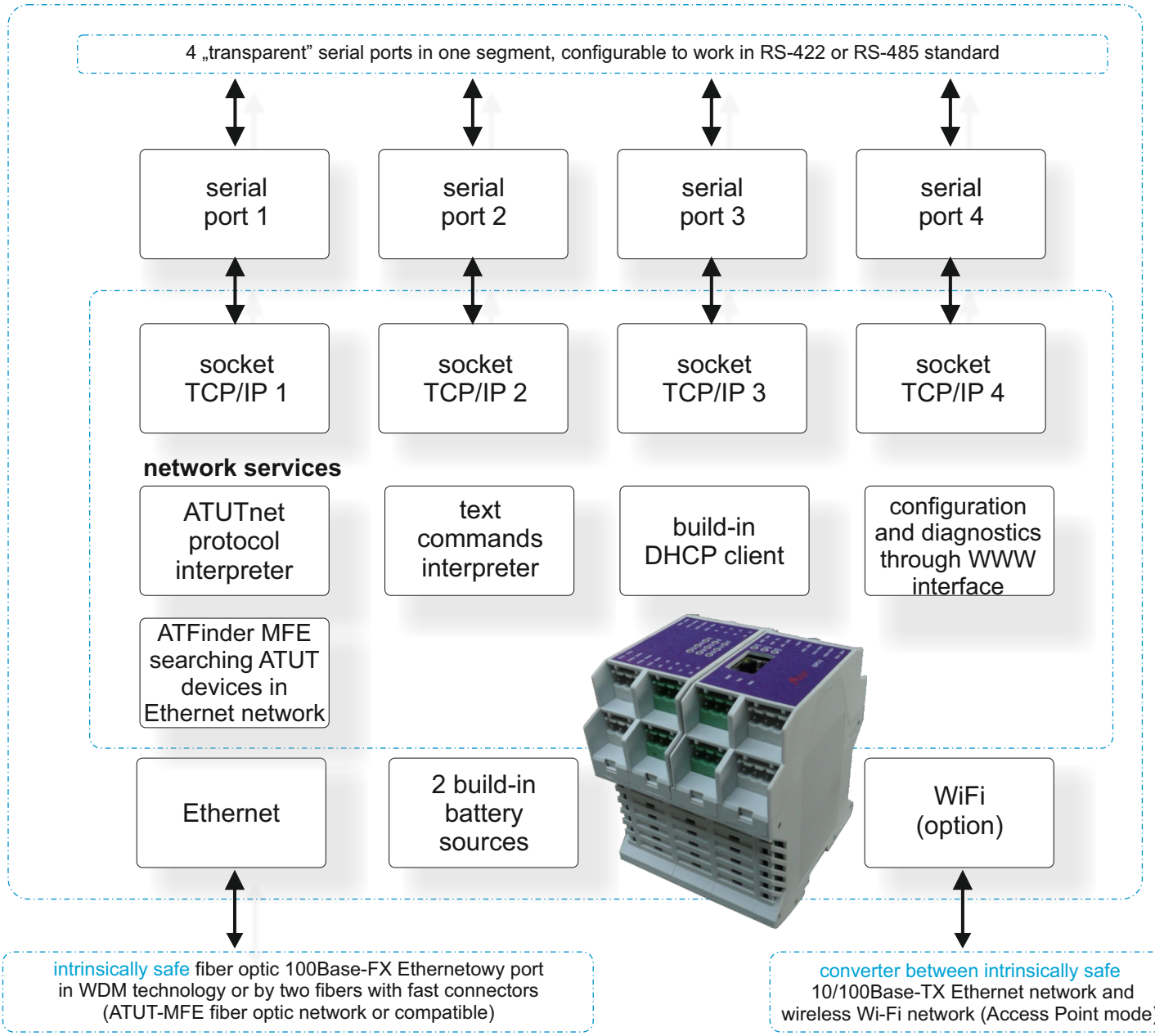
Intrinsically Safe Serial Ports Server

ISPS-2



Device Description:

Intrinsically safe serial ports server ISPS-2 provides data transfer between ATUT-NET system devices or other working in RS-422 or RS-485 standard and intrinsically safe 10/100Base-TX Ethernet network or wireless Wi-Fi network. The device can work as a converter between intrinsically safe 10/100Base-TX Ethernet network and wireless Wi-Fi network (Access Point mode), as wireless network client (client mode) or in a mode with both functionalities. The device is equipped with LEDs signaling settings and work parameters.

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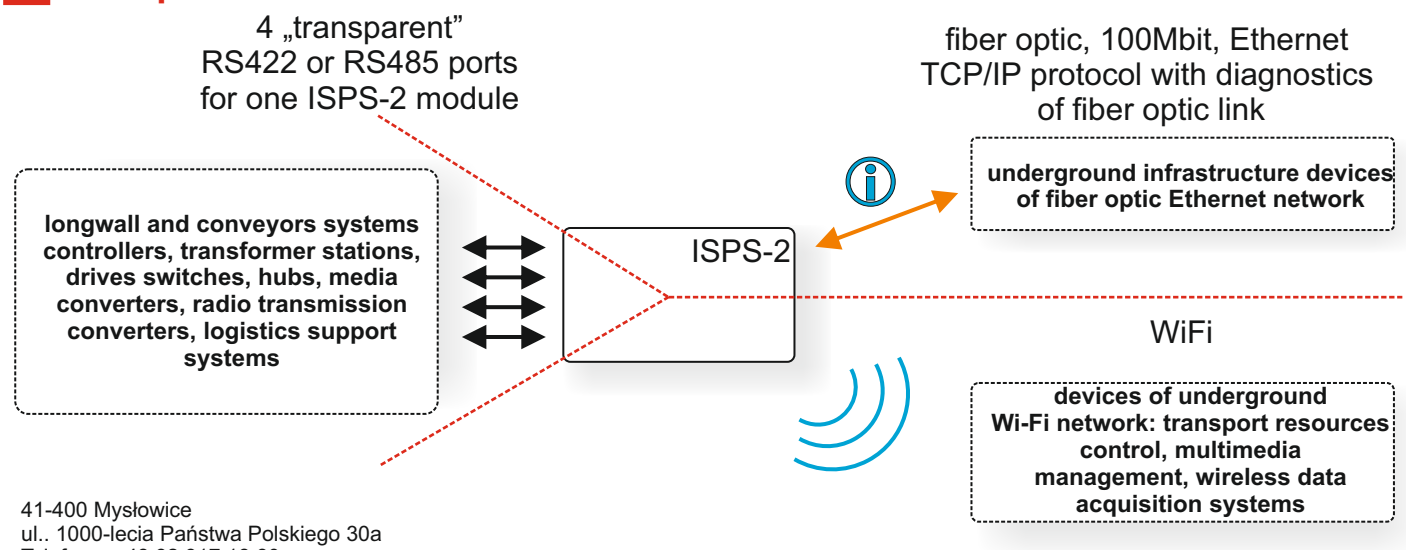
Technical characteristics:

ATEX certificate number	KDB 13 ATEX 0087X
Supply parameters:	
Supply voltage U_N	6,5 ÷ 15 VDC
Maximum supply voltage U_I	15,8 VDC
Supply current I_N without Wi-Fi interface	280 mA at U_N = 6,5 VDC 120 mA at U_N = 15 VDC
Supply current I_N with Wi-Fi interface	430 mA at U_N = 6,5 VDC 200 mA at U_N = 15 VDC
Fiber optic parameters:	
Ethernet optical port	100Base-FX
Type of fiber optic	9/125 µm, SM
Type of transmission	WDM, single SM fiber fot two-way transmission or two fibers for two-way transmission
Maximum fiber optic transmission distance	60 km
Serial link parameters:	
Number of RS422/485 ports for one module	4
Serial transmission speed	up to 230400bps
Normal working conditions:	
Device category	I M1
Casing type	Ex ia op is I Ma
Working temperature range	0°C ÷ 60°C
Air humidity	max 95%
Casing protection degree	IP54
Mechanical exposure	low
Type of work	continuous

Example of use:



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