

## LOZU1101 Pempek OBP-PLUS Processor Module CODESYS (with Fibre-optic CAN Bus)

Pempek OBP-PLUS Mining PLC processor module supports immediate integration into mobile mining machinery control and automation applications.

The product features an unique dual-processor architecture - with one processor dedicated to fast, reliable I/O management and safety functions.

The second processor supports a flexible automation programming and configuration system.

Allowing end-users full access to high level control, automation and data collection.

**LOZU1101** in addition to sixteen (16) local digital inputs (24VDC); the module provides a number of field bus options - including CAN (4), Ethernet (2) and RS-422 (3).

Once of the CAN busses also features eight (8) fibre-optic ports for connection to intrinsically-safe I/O modules via fibre-optic cables.

The Pempek OBP-PLUS development environment - based on the popular CODESYS 3.5 programming tool chain - supports immediate integration of many industry-standard I/O devices and smart components.



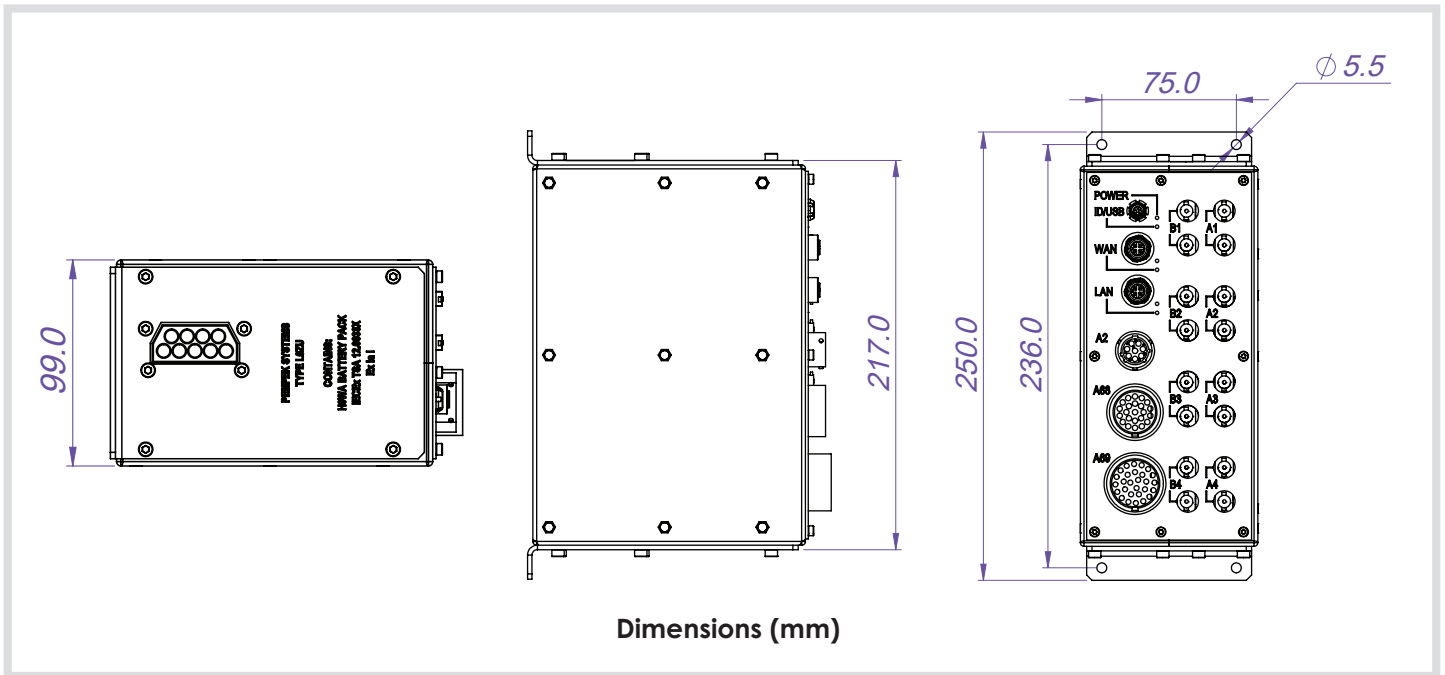
- **Type:** Programmable, dual-processor machine automation processor module
- **Programmability:** CODESYS 3.5 PLC Development System
- **Local I/O :** 16 x Digital Inputs (24 VDC)
- **Memory Battery:** AS4871-compliant
- **LOZU1101 - Field Buses:** 3 x CAN (copper) / 1 x CAN (fibre) with 8 ports / 2 x Ethernet / 3 x RS-422

### CONNECTOR A2

PIN	Connector A2 Burndy Female 8 Way	Signal
A2-A	Supply Input	24VDC Supply Input
A2-B	Supply Input	0VDC Supply Input
A2-C	CAN A (Positive)	Communications
A2-D	CAN A (Positive)	Communications
A2-E	CAN A (Negative)	Communications
A2-F	CAN A (Negative)	Communications
A2-G	Termination Link 1 - 1	Termination Link Input
A2-H	Termination Link 1 - 2	Termination Link Input



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**CONNECTOR A68**

No.	Connector A68 23 (32) Burndy Female PIN	Name
1	A	CANH1
2	B	CANL1
3	C	CANH2
4	D	CANL2
5	E	CANH3
6	F	CANL3
7	G	0VDC
8	H	RXA-
9	J	RXA+
10	K	TXA-
11	L	TXA+
12	M	RXB- /CTS B
13	N	RXB+ /RXB
14	P	TXB- / TXB
15	R	TXB+ /RTSB
16	S	0VDC
17	T	RXC-
18	U	RXC+
19	V	TXC-
20	W	TXC+
21	X	RXD
22	Y	TXD
23	Z	0VDC



## LOZU1101 Pempek OBP-PLUS Processor Module CODESYS (with Fibre-optic CAN Bus)

### CONNECTOR A69

No.	Connector A69 28 (41) Burndy Female PIN	Name
1	A	DGI-1
2	B	DGI-2
3	C	DGI-3
4	D	DGI-4
5	E	DGI-5
6	F	DGI-6
7	G	DGI-7
8	H	DGI-8
9	J	DGI-9
10	K	DGI-10
11	L	DGI-11
12	M	DGI-12
13	N	DGI-13
14	P	DGI-14
15	R	DGI-15
16	S	DGI-16
17	T	0VDC
18	U	CAN 1-L1
19	V	CAN 1-L2
20	W	COLDFIRE UART RX-
21	X	COLDFIRE UART RX+
22	Y	COLDFIRE UART TX-
23	Z	COLDFIRE UART TX+
24	a	CAN 2-L1
25	b	CAN 2-L2
26	c	RELAY IN
27	d	RELAY NC
28	e	RELAY NO



### Fibre Optic Patch ST -ST Multi-mode

Part Number	Description
HOLW0401	Fibre Optic Patch ST-ST Multi-mode

#### Specifications

- **Product Type:** Pre-manufactured cable assembly
- **Construction:** Fibre-optic with ST terminations
- **Connector 1 :** Fibre ST Connector (2 connectors)
- **Connector 2:** Fibre ST Connector (2 connectors)
- **Conductors:** 2
- **Cable Length:** 0.8 metres
- **Pin Type:** ST Fibre Plugs
- **Conductor Type:** Multi-mode Fibre-optic
- **Insulation Rating:** N/A
- **Temperature Rating:** -40 to 85 C