

L0V42101 Obelix2 Processor Module

The L0V42101 is a “drop-in replacement” upgrade for traditional Obelix processor modules already operating in a machine. A dual processor architecture supports Obelix2 features – whilst retaining the reliable machine automation of the original Obelix machine software. The second processor is dedicated to remote access, telemetry and configuration management (Edison Tool Box PC software required).

The L0V42101 is an Obelix2 Mining PLC Processor module ideal for legacy mobile mining machinery control and automation applications that are programmed and maintained by Pempek automation software developers.

A fully AS4871-compliant internal battery preserves parameter memory and real-time clock functionality when mains machine power is removed.

In addition to sixteen (16) local digital inputs (24VDC); the module provides a number of field bus options - including CAN (4), RS-422 (3) and RS-232 (1).



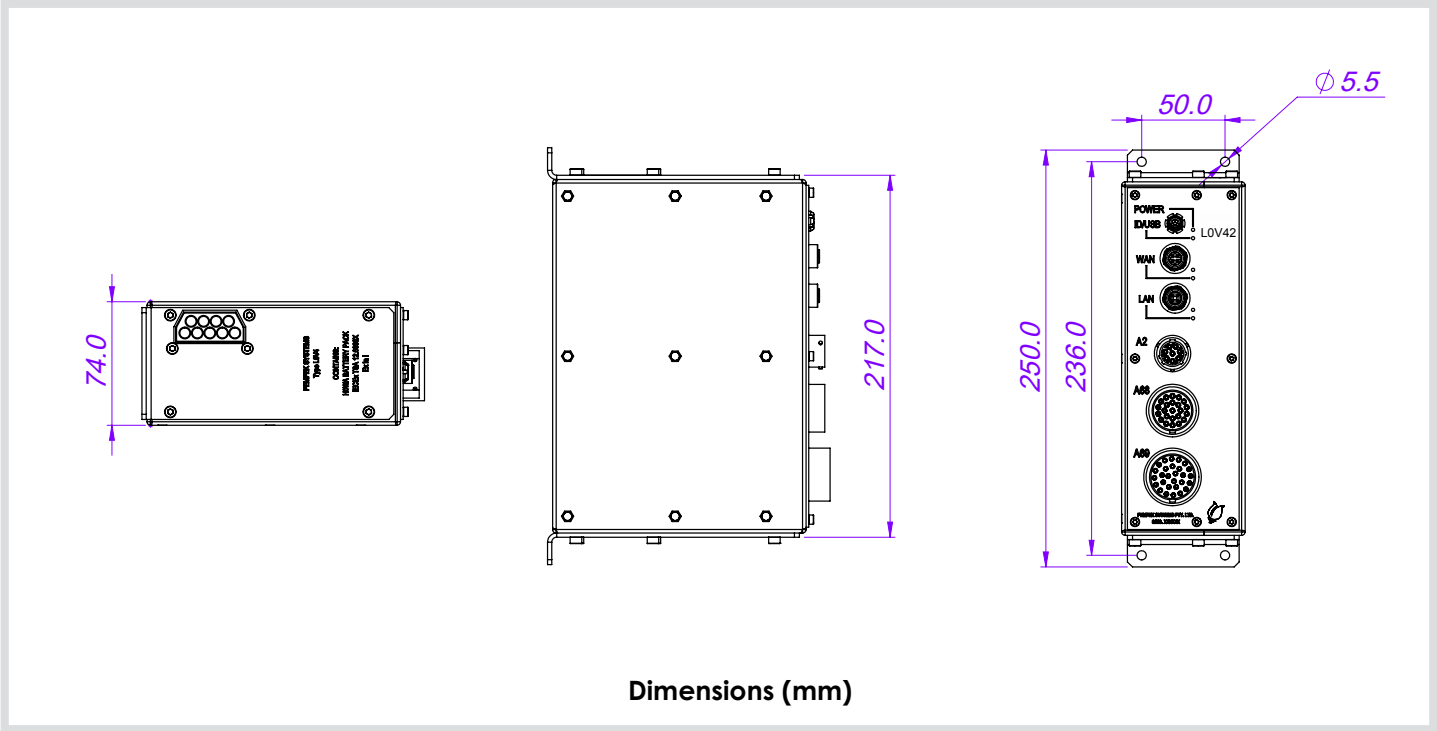
- **Module Type:** Processor Module
- **Supply Input:** 24VDC (+/- 10%) / 5 Watts (Max)
- **Data Communications:** CAN (4), RS-422 (3), RS-232 (2)
- **Operating Temperature:** -20°C to 70°C
- **Inputs:** 16 x Digital Inputs (24VDC)
- **Outputs:** 1 x C-Form Relay (110VAC / 8 A)
- **Connector 1:** Obelix A2 (24VDC Input + CAN Bus A)
- **Connector 2:** 2 x M12 Ethernet, Ethernet 1 = Remote Access, Ethernet 2 = Local Network
- **Connector 3:** Obelix Data A68 (CAN B,C,D, RS422, RS232)
- **Connector 4:** Obelix A69 (Digital Inputs, Relay Output)

CONNECTOR A2

PIN	Connector A2 Burdny 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- /CTSB
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



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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
24	a	CAN 2-L1
25	b	CAN 2-L2
26	c	RELAY IN
27	d	RELAY NC
28	e	RELAY NO

