The LOZU0101 Obelix Mining PLC Telemetry and Automation Processor (TAP) combines a standard Obelix automation platform with a dedicated machine telemetry processor.

This dual-processing architecture, provides segregated, high-performance management of both real-time machine automation and machine data collection.

A fully A\$4871-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), Ethernet (2) and RS-422 (3).

The module also supports Pempek CAN Fibre ports (8 channels) for convenient, reliable control and monitoring of Obelix Mining PLC IS I/O modules.

One (1) CAN channels is shared with the Fibre ports.



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- Module Type: Telemetry and Processor (TAP) Module
- Supply Input: 24VDC (+/- 10%) / 5 Watts (Max)
- Data Communications: Copper CAN (4), Fibre CAN (1 shared with Copper CAN), RS-422 (3), RS-232 (2)
- Operating Temperature: -20 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: Ethernet M12(WAN)
- Connector 3: Ethernet M12 (LAN)
- Connector 4: Obelix Data A68
- (CAN B,C,D, RS422, RS232)
- Connector 5: Obelix A69 (Digital Inputs, Relay Output)

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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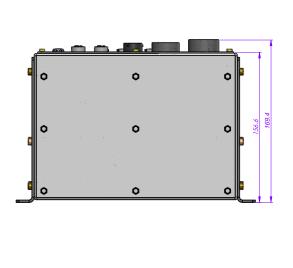
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L0ZU0101 Obelix Processor Module Telemetry and Automation





Dimensions (mm)

CONNECTOR A68

No.	Connector A68 23 (32) Burndy Female PIN	Name
1	A	CANH1
2	В	CANL1
3	С	CANH2
4	D	CANL2
5	E	CANH3
6	F	CANL3
7	G	OVDC
8	Н	RXA-
9	J	RXA+
10	К	TXA-
11	L	TXA+
12	м	RXB- /CTSB
13	Ν	RXB+ /RXB
14	Р	TXB- / TXB
15	R	TXB+/RTSB
16	S	OVDC
17	Т	RXC-
18	U	RXC+
19	V	TXC-
20	W	TXC+
21	Х	RXD
22	Y	TXD
23	Z	0VDC



Datasheet-LOZU0101

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L0ZU0101 Obelix Processor Module Telemetry and Automation

CONNECTOR A69

No.	Connector A69 28 (41) Burndy Female PIN	Name
1	А	DGI-1
2	В	DGI-2
3	С	DGI-3
4	D	DGI-4
5	E	DGI-5
6	F	DGI-6
7	G	DGI-7
8	Н	DGI-8
9	J	DGI-9
10	К	DGI-10
11	L	DGI-11
12	М	DGI-12
13	Ν	DGI-13
14	Р	DGI-14
15	R	DGI-15
16	S	DGI-16
17	Т	OVDC
18	U	CAN 1-L1
19	V	CAN 1-L2
20	W	COLDFIRE UART RX-
21	Х	COLDFIRE UART RX+
22	Y	COLDFIRE UART TX-
23	Z	COLDFIRE UART TX+
24	a	CAN 2-L1
25	b	CAN 2-L2
26	С	RELAY IN
27	d	RELAY NC
28	е	RELAY NO



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Fibre Optic Patch ST -ST Multi-mode

Part Number	Description
HOLWO401	Fibre Optic Patch ST-ST Multi-mode

Specifications

- Product Type: Pre-manufactured cable assembly
- **Construction:** Flbre-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

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