

## Description

The LORU is the next generation processor module for the Obelix family of control system modules. The internal processor has been completely upgraded to give a 50-fold increase in performance. Internal RAM and ROM memories have each been increased to 16 Megabytes.

An Ethernet interface has been added to support more advanced networking applications; including Internet connectivity.

This new processor module is 100% backward compatible with all previous modules and products from the Obelix MPLC family.

## Features

- Powerful Embedded 32-bit Microcontroller Module
  - Motorola ColdFire (200 MIPS)
  - 16 Megabytes RAM
  - 16 Megabytes ROM
  - Field Programmable
- 10/100BaseT Fast Ethernet Port
- CAN Network Interfaces
  - 2 x Copper CAN Channels (500 kbps)
  - 2 x Fibre Optic CAN Channels (500 kbps)
  - Up to 8 Fibre Optic Distribution Channels
  - Can 2.0B Compatible
- Standard I/O Resources
  - 3 x Full Duplex RS-422 Ports
  - 1 x Full Duplex RS-232 Port
  - 16 x 24VDC Digital Inputs
  - 1 x Relay Output
- Embedded UHF Receiver Module
  - Shielded UHF Receiver (458 MHz / 472 MHz)
  - Integral Approved RF Barrier
- Operates -10°C to +85°C
  - All industrial components
- Heavy Duty Enclosure
  - Electroless Nickel Plated
  - Rugged Construction

## Ordering Information

Ordering Code	Description	Datasheet
LORU	Processor Module (Cold NU) Ethernet Ready	DS-LORU-A



# Obelix

## Processor Module

### Type LORU



## Typical Applications

- Continuous Miners
- Miner Bolters
- Continuous Haulage
- Long Wall Shearers
- Mobile Roof Supports
- Remote Control Scoops
- Remote Control Loaders
- Any industrial control application