

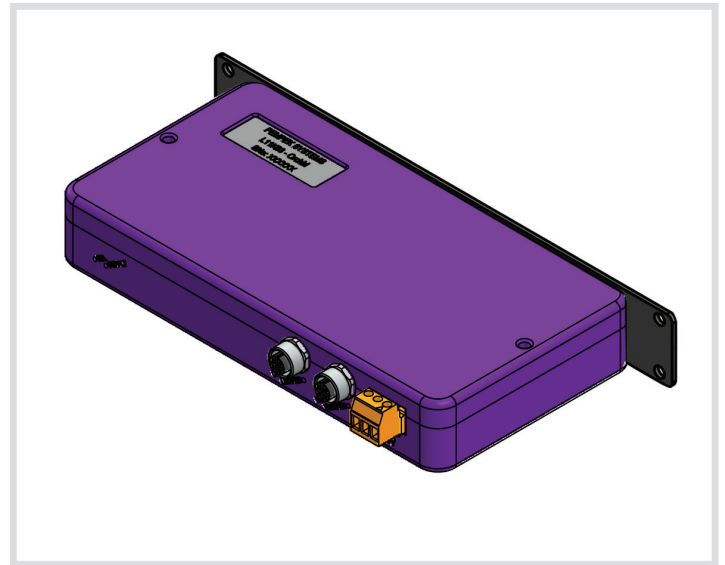
L11K0301 Pempek OBP-Plus Orchid Data Collector With Blade Mount

Machine data collector and gateway..

Data disconnection?

No data lost with the Pempek Orchid unit.

- Provides a point of collection from a number of sources
- Securely connect to the machine from anywhere
- Secure gateway between machine local network and mine network
- Collect machine data continuously
- Buffer data during mine network outage up to 4 days depending on telemetry loading
- Buffered data recovered automatically with Pempek Royce Telemetry & Analytics system. Once reconnected, collector will feed stored and live data simultaneously
- Machine display "remote screen mirroring" (with independent page navigation)
- EIP functionality setup
- Diagnostic tool useful to validate system setup and health checks
- Two isolated network adapters
- Processor iMX6
- Software Linux
- Blade Mounting Bracket
- Aluminum Shell Enclosure



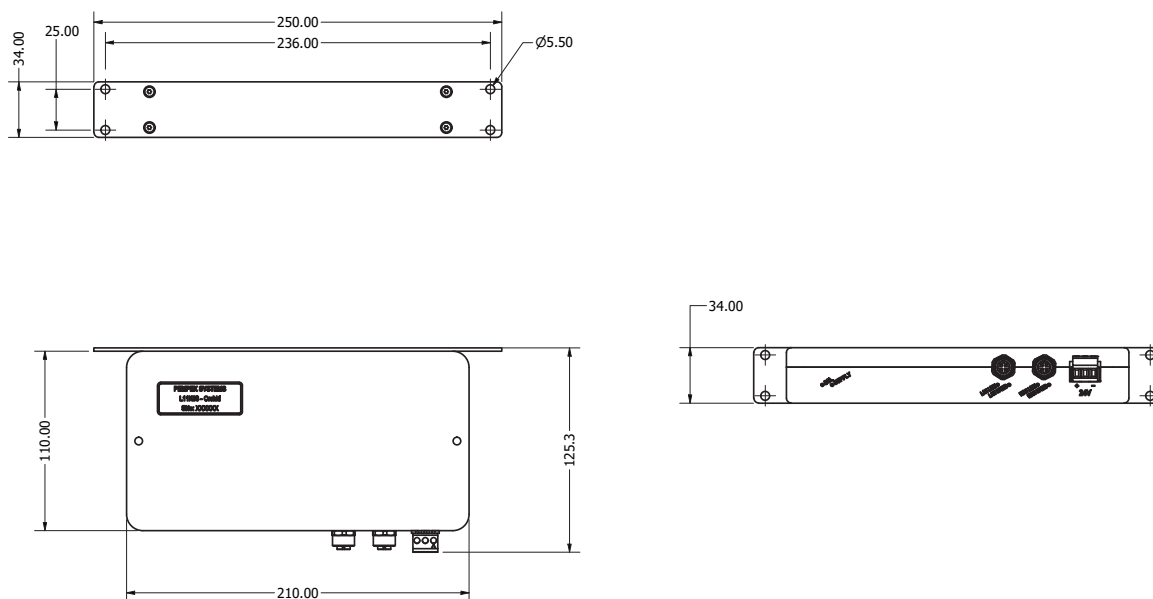
Typical Application

- Continuous Miners
- Continuous Haulage
- Long Wall Shearers
- Mobile Bolters
- Mobile Roof Supports
- Remote Control Scoops
- Remote Control Loaders
- Shuttle Cars
- Feeder Breakers

24VDC Supply Requirements

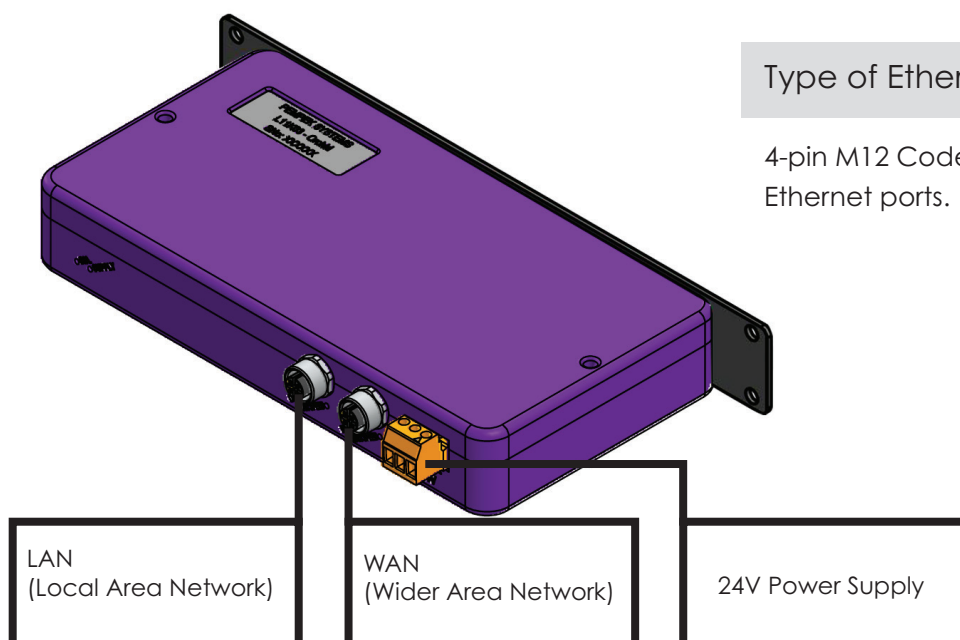
- Circuit Breaker of 0.5A slow blow is suitable.
- Current demand during normal operation is 250 mA max.

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Dimensions (mm)

Diagram



Type of Ethernet ports:

4-pin M12 Code D Industrial Ethernet ports.

Note: As the device is highly configurable - network allocation of LAN and WAN ports is application specific and will vary on the requirements of each installation