

Intelli3Phase Dual is a 2U power distribution and environmental monitoring unit designed for use with blade chassis from various manufacturers.



Features

- ❖ Designed to work directly with single and 3 phase blades from all major manufacturers
- ❖ Dual 3-phase inputs on 5 pin Commandos (alternative connectors may be specified)
- ❖ Dual 3 phase outputs on Commandos, either measured in parallel with the IEC C20 output connectors, or unmeasured – e.g. for connection to a second Intelli3Phase unit.
- ❖ 2 times 32A capability per phase in 3 phase mode
- ❖ 2 times 32A capability when used in single phase mode
- ❖ Power present sensor on each incoming line (6 lines total)
- ❖ True RMS current measurement on each incoming line
- ❖ 2 sets of door sensor and door lock control connectors
- ❖ 2 sets of temperature and humidity sensor connectors
- ❖ 2 sets of expansion connectors for additional sensor types or cabinet access control
- ❖ Out-of-band RS485 control bus minimises network traffic and switch requirements
- ❖ 2U, 19" rack mounting device, approx 340mm deep.

Power

The Intelli3Phase monitors each line of both A&B 3-phase power feeds (6 lines in total), providing accurate figures for total power draw and current per phase. It may be used with both Y and delta connected loads.

With a 3-phase supply, a single pair of 32A whips can provide up to 18kW of power (down-rated 20%), which may be distributed across a number of blade chassis in a high-density cabinet. The Intelli3Phase unit provides a convenient distribution system within the cabinet, while providing individual figures for each chassis' current draw.

The Intelli3Phase may also be used with a single phase supply, though the current for each of the A & B feeds is limited to 32A (down-rated 6kW) maximum.

Security

The Intelli3Phase is designed to be fail-safe. There is a minimum of internal connection points and no active components within the power circuit. The logic circuitry is electrically isolated and independently powered, so that it remains able to actively report a fault in the event of a power outage in the cabinet.

Expansion

The Intelli3Phase is fitted with auxiliary connectors front and rear that support additional options including airflow, water, smoke, movement or custom sensors

System

The Intelli3Phase connects to the same RS485 interconnect bus that other IntelliData products use and is monitored via the same IntelliServer and IntelliManager software package. The data from multiple units may be combined to give total cabinet figures, with a drill down to see details of individual feeds.

