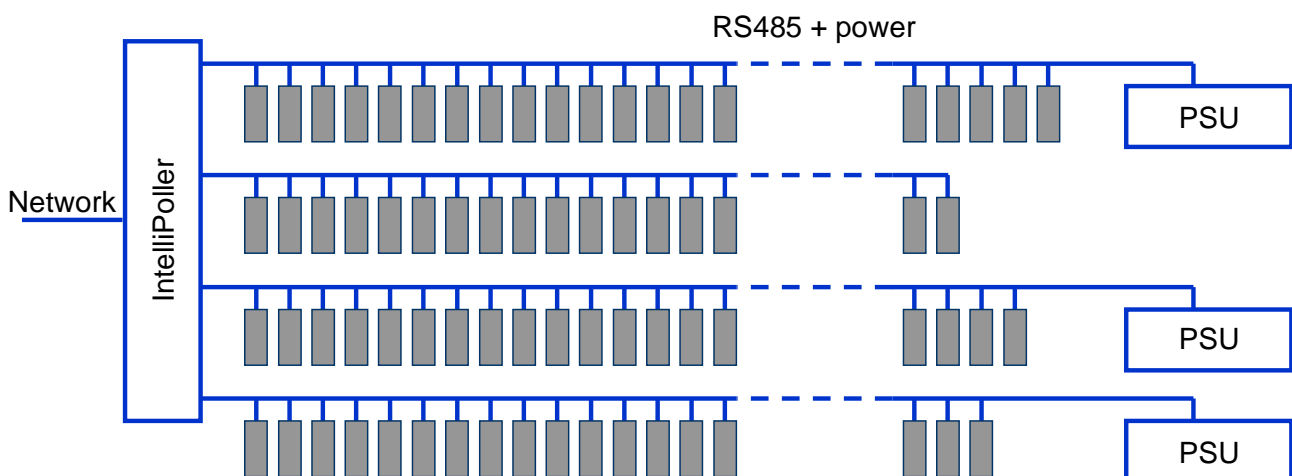


The IntelliPoller provides the interface between an IntelliData Systems hardware installation and the network and software monitoring and control layer. IntelliPoller 2 is an enhanced version of the established IntelliPoller in terms of speed and functionality. It is designed to support IDS's ECO product range.

Function



In order to reduce the number of network connections required for a monitoring application, IDS uses a daisy chain serial connection (RS485) to connect multiple monitoring devices to one central network interface: the IntelliPoller. The IntelliPoller has 4 rear panel connections for 4 RS485 chains, each capable of supporting up to 64 devices. In addition, the IntelliPoller acts as a power supply to the logic board in each monitoring device, so that if the power to any monitored device fails, the logic board remains powered and able to actively report the power failure. Typically an IntelliPoller's power supply will support around 100 monitoring devices, but this can be expanded to a maximum of 256 using external power supplies.





Rear Panel Connections

Chains 1-4	RS485 + power, 4 x 6-way Weidmuller connectors
Network	IP, 100M full duplex, Assignable address, Ports 4001 and 80, RJ45
Aux	Programming port, RJ12
Console	Diagnostics, 9-way sub-D
SD Memory	Memory expansion port
IEC A & B	Dual (switching) mains connection

Front Panel Controls

The front panel controls and display provide a convenient method of checking the status of the IntelliPoller and are also available to support future options. The display indicates the output voltages of each RS485 chain, the internal temperature of the poller and quantity and logical addresses of the monitoring devices attached to the IntelliPoller.

The controls and display are not necessary to normal operation of the IntelliPoller.

Physical

Dimensions	480mm (19") x 42.5mm (1U) x 375mm (inc removable cable bar)
Weight	4kg
Power	100-240VAC, 100W
Fuse (x2)	3.15T