

# Nominee: Excel Networking Solutions

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## Nomination title: Data Centre PDU Product of the Year

### Introduction

The Excel Intelligent Power Distribution Unit (iPDU) Family offers a high specification portfolio of power distribution units that are designed to suit any environment, where monitoring or managing of information is required, such as a data centre environment. Excel design and build everything in the UK, and have developed a wide range of products that cover the whole scale from overall monitored products to individual socket monitoring and individual socket switching.

### Key Features

- Excel iPDU's are designed to provide local and remote overall power monitoring for complete flexibility in a data centre environment.
- The units are available with up to 48 sockets of any combination of socket type including UK, Schuko, C13, C19 and more.
- Our range of intelligent products has been developed so they can work as individual masters or run as a master and slave system by daisy-chaining units together. Having one master with up to 31 slaves, all from one IP address, reduces the requirement for multiple IP addresses.
- The Excel Intelligent PDU range also comes with free software making it a highly competitive solution allowing the user to monitor and report on up to 50 IP addresses with the software.
- The Excel Intelligent PDU range provides billing quality accuracy to better than 1%, allowing the unit to be used in co-location centres for the monitoring and charging of power used.
- Excel's iPDU's feature a built-in RGB display, which shows IP address, kWh and Volts, Amps, power factor and kilowatts per phase. In the event of an alarm, the RGB display changes colour and flashes to provide the user with a visual representation of the problem.
- The iPDU's are offered with an optional remote display that can be fitted to the door of the rack or in a prominent position where the inbuilt RGB display may be obscured at the back of the rack. Where space is limited in a data centre environment, this feature maximises usability and effectiveness of the units.

- iPDUs can communicate through a variety of methods including via a web browser using the embedded web page feature. This provides full access to the PDU functionality, enabling set up and configuration of the unit, an ability to view live data as well as control and collate information and histrionics.
- To complement the PDUs and create an environmental solution, there is a host of sensor options available for the system, including a sensor for temperature, humidity, smoke, water, fire and heat. Additionally, door lock and contact capabilities allow for remote monitoring of door activity, which makes the iPDUs an ideal solution for a multi-share facility where enhanced levels of security are required.

#### **Impact on Customers and the Market**

- Turnaround time for a bespoke iPDU is approximately 10-14 days, offering complete flexibility for individual users to suit specific requirements
- Allowance for remote monitoring and control help to reach optimum efficiency and identify problems before they materialise, protecting the data and infrastructure as much as possible.
- Helping to provide a “green” solution for data centre power distribution, ensuring that all variables are kept at optimum levels for the environmental conditions.
- A cost effective solution, offering data centre providers the opportunity to achieve optimum efficiency across all variables and ensure the data centre is operating at its best capabilities.

#### **Differentiators**

- Offering a bespoke product build with exceptionally quick lead times
- Complete flexibility in socket choice – no requirement to purchase sockets that you have no intention of using
- Excel’s iPDU Family are covered by a comprehensive 5 year return to base warranty offering peace of mind for users that they are covered.
- A team of in-house technical specialists on hand to provide support on which PDU to choose and how best to install.
- The comprehensive range of socket types and the modular functionality of the PDUs offer an enhanced flexibility to customers.



- **A dedicated Specialist Support Services team available to fulfil an onsite rack assembly service, where the iPDUs (amongst other accessories and the Environ racks) are installed with a full QC inspection prior to handover.**
- **The perfect product for any customer or facility that is taking steps towards DCiM. The product offers risk free CAPEX if you are considering deploying DCiM within a facility as the unit comes with the built in free software to start monitoring and managing the facility. However it also has the ability to be integrated into certain full blown DCiM packages at a later date.**

### **Why nominee should win**

- **A comprehensive range of power distribution solutions**
- **Assembled with a fast turnaround time in the UK to bespoke specifications**
- **A flexible solution offering a plethora of options to customers for remote monitoring, measuring and control as well as a variety of socket types for all environments**
- **A dedicated onsite fitting service with a full QC inspection**
- **Specialist technical support offered after installation as and when needed**