



- Monitors overall energy usage with a local color LCD display
- Free embedded software for remote monitoring via web interface
- Scalable: link up to 31 units from a single master PDU
- Variety of sockets: choose from UK, Schuko, C13, and C19
- Mounting options: horizontal and vertical for flexible placement
- Optional environmental sensors: temperature, humidity, and door contact
- Single-phase or three-phase power options

## Product Overview

The Excel INT1 Intelligent PDU is a UK-manufactured energy monitoring PDU that provides local and remote overall power monitoring with high accuracy. Offered in various configurations, the INT1 comes standard with C13 and C19 sockets powered by EN60309 Com16 or Com32 plugs, in single or three-phase options.

The INT1 offers flexibility with a maximum of 48 sockets. Standard options include C13, C19, UK, UK left-angled and right-angled, and Schuko socket types. The INT1 features environmental ports for temperature, humidity sensors, water detection rope, or door sensors. It can also integrate with electronic access control handles for your data centre racks. For larger deployments, daisy-chain up to 32 devices using a single master PDU with a single IP address. The included free software allows remote monitoring via a user-friendly HTML browser with secure login.

The INT1 features an RGB backlit LCD display for real-time power usage across all connected devices. Additionally, configure SNMP and email alerts for critical parameters like voltage, current, power factor, and internal temperature. With over 1% accuracy, the INT1 measures RMS volts, amps, kilowatts, frequency, power factor, internal PDU temperature, peak volts and amps, kVA, and kWh.

## Product Specifications

Feature	Values
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Mounting direction	Vertical
Electrical connection	Connecting cord with plug
Type of electric plug connection	16 Amp - EN6039 Style (BS4343)
Number of phases	1
Cable length	3 m
Number of C13 socket outlets	16
Number of C19 socket outlets	4
Number of RJ45 sockets	1
Number of USB connections	1
Supply voltage	230 V
Surge Protected	no
Switchable	no
SNMP	yes
Display	yes
Evaluation	Remote
With LED indication	yes
With fuse	yes
Ammeter	yes
With temperature measurement	yes
With mounting bracket	yes
Colour	Black

## Additional specifications

Feature	Value
Technology	Overall and individual socket monitoring and switching
Energy metering	RMS volts, RMS amps, kilowatts, frequency, power factor
Metering per input line	yes
Metering per output receptacle	yes
Remote outlet switching	yes
Environmental port	yes
Networking	SNMP (v1, 2, 3), HTML, HTTP, HTTPS, XML, Email Alerts
Remote management	yes
Daisy chain	Yes (1 master up to 31 slaves)

Display	Local (remote display optional)
Environmental sensors	Temperature sensor port (up to 8 sensors), humidity/temperature sensor, volt-free contacts (3 sets), door contacts, electronic door handle, card reader/pin pads
Frequency	50 - 60 Hz
Main input	85 - 265 VAC
Colour	Black

## Standards

Applicable standard	Detail
IEC 60884-1:2002 + AMD1:2006 + AMD2:2013 CSV	Plugs and socket-outlets for household and similar purposes - Part1: General requirements
IEC 60884-2-1:2006	Plugs and socket-outlets for household and similar purposes - Part 2-1: Particular requirements for fused plugs
IEC 60884-2-2:2006	Plugs and socket-outlets for household and similar purposes - Part 2-2: Particular requirements for socket-outlets for appliances
IEC 60884-2-7:2011 + AMD1:2013 CSV	Plugs and socket-outlets for household and similar purposes - Part 2-7: Particular requirements for cord extension sets
IEC 60950-1	Information technology equipment - Safety
BS 6396:2022	Electrical systems in furniture and educational furniture
BS EN IEC 62368-1:2020+A11:2020	Information technology equipment Safety General requirements
RoHS-II/-III (2011/65/EU & 2015/863): 2023	Our products, demonstrate full adherence to the regulatory stipulations of the EU Directive 2011/65/EU (RoHS-II) and its corresponding delegated directive 2015/863 (RoHS-III).
WFD: 2023	Compliant to Waste Framework Directive
SCIP: 2023	Compliant - Does Not Contain Substances of Concern In articles as such or in complex objects (Products)
POPs (EU) No 2019/1021	EU Regulation for the restriction of Persistent Organic Pollutants.

### Part Number Table

Part Number	Description
555-1V-COM16-INT1-16C13-4C19-3B	Excel 1P Vertical Int PDU (INT1) 16x C13 4x C19 Socket 16 A EN60309 3 m Bottom-fed
555-1V-COM16-INT1-16C13-4C19-3T	Excel 1P Vertical Int PDU (INT1) 16x C13 4x C19 Socket 16 A EN60309 3 m Top-fed
555-1V-COM16-INT1-18C13-6C19-3B	Excel 1P Vertical Int PDU (INT1) 18x C13 6x C19 Socket 16 A EN60309 3 m Bottom-fed
555-1V-COM16-INT1-18C13-6C19-3T	Excel 1P Vertical Int PDU (INT1) 18x C13 6x C19 Socket 16 A EN60309 3 m Top-fed
555-1V-COM16-INT1-20C13-4C19-3B	Excel 1P Vertical Int PDU (INT1) 20x C13 4x C19 Socket 16 A EN60309 3 m Bottom-fed
555-1V-COM16-INT1-20C13-4C19-3T	Excel 1P Vertical Int PDU (INT1) 20x C13 4x C19 Socket 16 A EN60309 3 m Top-fed
555-1V-COM16-INT1-8SCH-4C19-3B	Excel 1P Vertical Int PDU (INT1) 8x Schuko 4x C19 Socket 16 A EN60309 3 m Bottom-fed
555-1V-COM16-INT1-8SCH-4C19-3T	Excel 1P Vertical Int PDU (INT1) 8x Schuko 4x C19 Socket 16 A EN60309 3 m Top-fed
555-1V-COM32-INT1-12C13-4C19-3T	Excel 1P Vertical Int PDU (INT1) 12x C13 4x C19 Socket 32 A EN60309 3 m Top-fed
555-1V-COM32-INT1-18C13-6C19-3B	Excel 1P Vertical Int PDU (INT1) 18x C13 6x C19 Socket 32 A EN60309 3 m Bottom-fed
555-1V-COM32-INT1-18C13-6C19-3T	Excel 1P Vertical Int PDU (INT1) 18x C13 6x C19 Socket 32 A EN60309 3 m Top-fed
555-1V-COM32-INT1-8SCH-4C19-3B	Excel 1P Vertical Int PDU (INT1) 8x Schuko 4x C19 Socket 32 A EN60309 3 m Bottom-fed
555-1V-COM32-INT1-8SCH-4C19-3T	Excel 1P Vertical Int PDU (INT1) 8x Schuko 4x C19 Socket 32 A EN60309 3 m Top-fed
555-3V-COM16-INT1-18C13-6C19-3B	Excel 3P Vertical Int PDU (INT1) 18x C13 6x C19 Socket 16 A EN60309 3 m Bottom-fed
555-3V-COM16-INT1-18C13-6C19-3T	Excel 3P Vertical Int PDU (INT1) 18x C13 6x C19 Socket 16 A EN60309 3 m Top-fed
555-3V-COM16-INT1-21C13-3C19-3B	Excel 3P Vertical Int PDU (INT1) 21x C13 3x C19 Socket 16 A EN60309 3 m Bottom-fed
555-3V-COM16-INT1-21C13-3C19-3T	Excel 3P Vertical Int PDU (INT1) 21x C13 3x C19 Socket 16 A EN60309 3 m Top-fed
555-3V-COM32-INT1-18C13-6C19-3B	Excel 3P Vertical Int PDU (INT1) 18x C13 6x C19 Socket 32 A EN60309 3 m Bottom-fed
555-3V-COM32-INT1-18C13-6C19-3T	Excel 3P Vertical Int PDU (INT1) 18x C13 6x C19 Socket 32 A EN60309 3 m Top-fed

Excel 1P Vertical Int PDU (INT1) 16x C13 4x C19  
Socket 16 A EN60309 3 m Bottom-fed

Item Code: 555-1V-COM16-INT1-16C13-4C19-3B



555-3V-  
COM32-INT1-21C13-3C19-3B

Excel 3P Vertical Int PDU (INT1) 21x C13 3x C19 Socket 32 A EN60309 3 m  
Bottom-fed

555-3V-  
COM32-INT1-21C13-3C19-3T

Excel 3P Vertical Int PDU (INT1) 21x C13 3x C19 Socket 32 A EN60309 3 m  
Bottom-fed

Excel is a world class premium performing end to end infrastructure solution designed,  
Manufactured, supported and delivered without compromise.

Contact us at [sales@excel-networking.com](mailto:sales@excel-networking.com)

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