3 major requirements for LED panels

1 Adressing high inrush currents
Any operator of LED walls knows the problem: The high inrush currents at power-up lead to unwanted current peaks in the installation - with the corresponding consequences. Upstream PDUs solve this problem through integrated switching routines. These ensure a sequential switching of the panel elements. Increased inrush currents belong to the past now. The LED modules can be selectively power cycled via media controls of well-known manufacturers within the network.

2 Increasing energy efficiency for green building and green AV
With smart IP sockets from GUDE, the power consumption of your AV installation can be effectively reduced: the collective switching off of the connected consumers helps to ensure sustainable operation. Programmed schedules allow the power hungry LED elements to be switched off at night or on weekends. This not only lowers the electricity expenses, but also leads to an increased lifetime of the LED modules. Savings lead to an amortization already after 6 months.

3 Enhancing operational safety through environmental monitoring
In addition to the reliable power supply, the IP socket strips with two integrated sensor connections provide the ability to monitor ambient temperature and humidity on the spot. System-critical states are detected early via optional sensors and reported to the user as an alarm by e-mail. Furthermore, configurable sensor thresholds mitigate the possibility of an emergency through automatically triggered switching operations. Thanks to integrated energy meters, it is possible to monitor the energy consumption for each power connection individually. In addition to the network-based remote access, the user can easily control the smart PDU via iOS or Android app.

LED panel in shopping mall
LED panel
LED wall in shopping mall
LED panel in conference room
Switchable PDUs for LED panels

08/2020

mail@gude.info
www.gude.info
shop.gude.info
GUDE Systems GmbH
Von-der-Wettern-Str. 23
51149 Koeln • Germany
T +49.221.912 90 97
F +49.221.912 90 98

Switchable PDUs for LED panels

08/2020

mail@gude.info
www.gude.info
shop.gude.info
GUDE Systems GmbH
Von-der-Wettern-Str. 23
51149 Koeln • Germany
T +49.221.912 90 97
F +49.221.912 90 98

Expert Power Control 8226/8316

8-/12-fold switched IP socket strip with integrated current metering

Features

- 8 or 12 Power Ports individually switchable directly on the device, via HTTPS, command line tool and RS232 serial interface
- Status and Power-up delay (0...9999 seconds) adjustable individually for each Power Port after power blackout
- Start-up peaks through simultaneous port switching prevented by automatic latency time of 1 second
- Programmable power cycling
- 2 independent power inputs of 230 V for the same or different phases (8226-1)
- 2 energy meters per power outlet, one meter continuously, the other reseatable
- Metering of energy, current, power factor, phase angle, frequency, voltage and active / apparent / reactive power
- Clearly visible LED display for total current, IP address, sensor data and error reports
- 8 or 12 channel watchdog, an individual watchdog (ICMP/TCP) can be assigned for each Power Port

Order code | Product | Feature | Operating Voltage | Max. Current |
--- | --- | --- | --- | --- |
8226-1 | Expert Power Control 8226-1 | 2 x 6 Power Ports IEC C13, energy metering per bank and load outlet | 230 V | 2x 16 A |
8316-1 | Expert Power Control 8316-1 | 8 Power Ports safety socket CEE 7/3 (Schuko), energy metering per load outlet | 230 V | 16 A |
8316-2 | Expert Power Control 8316-2 | 8 Power Ports IEC C13, energy metering per load outlet | 230 V | 16 A |
7105 | Temp./Humidity Sensor 7105 | Cable sensor with RJ45 plug, -20°C to +80°C, 0-90% humidity |  |  |
0804 | IEC Extension Cable 0804 | Extension cable for IEC C13 to C14, length: 3 m |  |  |

Electrical Connections

- Power supply IEC C20, max. 16 A (two-fold for 8226-1)
- 8226-1: 12 Power Ports IEC C13, max. 10 A
- 8316-1: 8 Power Ports safety socket CEE 7/3 (Schuko), max. 16 A
- 8316-2: 8 Power Ports IEC C13, max. 10 A
- Ethernet connector RJ45 (10/100 Mbit/s)
- Serial interface RS232 (Sub-D 9-pin)
- 2 sensor interfaces (RJ45) for optional sensors

Technical Details

- 8226: 19 inch, 1 RU, LxHxD: 43.9 x 4.4 x 19.5 cm
- 8316: Case for vertical rack mounting (0 RU), LxHxD: 69x6x7 cm
- Sturdy housing made of powder-coated steel plate
- Weight: ca. 2.8 kg
- Operating temperature: 0-50 °C
- Storage temperature: -20 - 70 °C
- Relative humidity: 0 - 95 % (non-condensing environment)