

# NETIO 4C

**NETIO 4C controls four IEC320/8A power sockets and communicates over 2x LAN and a serial port (RS-232).**

- 4x IEC320 110-230V power output
  - 2x Ethernet (LAN/SWITCH)
  - Serial port (RS-232)
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- M2M API (SNMPv3, CGI, XML)
  - Scripting language (LUA)
  - Scheduler with configurable profiles
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- Mobile app (iPhone, Android)
  - IP Watchdog (PING-based restart)
  - Designed and manufactured in the EU (CZ)



Each power socket can be controlled from the NETIO mobile app, over the Web, or using various M2M API protocols (SNMPv3, HTTPs CGI, Telnet, ... ).

Power sockets can be automatically switched on/off according to a time schedule, or by the IP WatchDog function that detects a PING response.

As a unique feature, the device is user-programmable in the LUA language.

The custom LUA script runs in NETIO and reacts to its surroundings. For example, the custom LUA script can control the RS-232 serial port in order to react to connected sensors.



**Controlling power to IT infrastructure (servers, KVM, routers)**



**Controlled powering up of IT infrastructure**



**Autonomous restart of disconnected microwave links**



**Industry – integration with 3rd-party systems**



**Energy savings**



**Multimedia installations**

## FEATURES

- 4x output: IEC320
- **Socket control options:**
  - Buttons
  - NETIO Mobile iOS/Android app
  - WEB browser
  - M2M API (CGI, Telnet, SNMPv3, ..)
- Built-in LAN switch (2x RJ-45)
- IP Watchdog function automatically restarts unresponsive devices
- Scheduler - a smart calendar
- Behavior can be programmed in LUA
- Email alert to power outage
- **API/M2M interface**
  - SNMPv3
  - CGI (HTTP GET)
  - KSHHELL + Telnet
  - XML API (HTTPs)
- Supported protocols: HTTP, HTTPs, SMTP, DNS, NTP, UPnP, DHCP, SNMP, ICMP
- RS-232 serial port (3 pins) can be read and controlled in LUA scripts. IEC320 sockets can be switched on/off with a command or by detecting a particular string in the serial communication.

IEC 320

LAN

API

## LUA — custom scripts

NETIO 4C supports the LUA scripting language. Custom scripts to control individual outlets can be written over the WEB interface.

The integrated LUA engine offers basic scripting functions and advanced network communication.



### GET HELP WITH LUA SCRIPTING:

- GIT repository
- ANxx (Application Notes) with examples

## AVAILABLE MODELS

### NETIO 4C

4x controlled IEC320 power socket, supports serial port and custom LUA scripts

### NETIO RACK MOUNT KIT

Set to mount one or two NETIO 4C units into a 19" rack

## SPECIFICATIONS

### POWER

- Power input: IEC320 C14 (110/230V AC) 10A – resettable fuse
- Power output: 4x IEC320 C13 / 8A
- Internal consumption: Max 4 W
- Configurable default state (off/on/last state)

### INTERFACES

- 2x LAN 10/100 Mbps (RJ-45 jack)
- Integrated 10/100 Mbps switch
- RS-232 (Rx, Tx, GND) - terminal block

### CONTROLS

- 1x main power switch
- 4x button for individual outputs
- LED indicators

### PACKAGE CONTENTS

- NETIO 4C
- Quick installation guide
- IEC320 power cable

### DIMENSIONS / WEIGHT

- NETIO 4C: 220 x 40 x 120 mm / 0.8 kg
- Package: 325 x 74 x 224 mm / 1.15 kg

### OPERATING CONDITIONS

- temperature: 0 °C – 40 °C
- For indoor use only (IP30)

EN 61010-1 ed.2:2011  
EN 61326-1 ed.2:2013  
EN 55011 ed.3:2010

