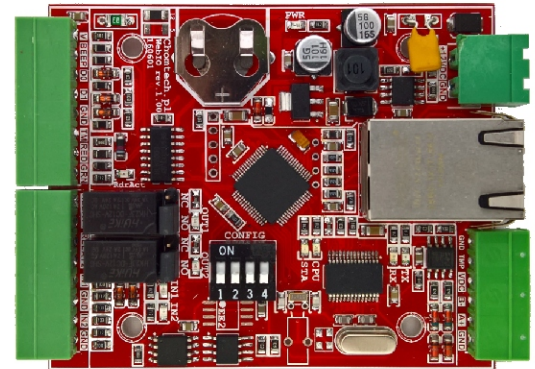


## WIEGAND - ETHERNET CONVERTER (CONTROLLER)

The converter allows to connect devices used in access control systems working in standards WIEGAND to ETHERNET. It means device can be used as access control online controller. Configuration and management of inputs and outputs via LAN (web page). The device operates in a client-server architecture.

- connecting reader using interface WIEGAND or RS-485
- ETHERNET link to include the device in the network
- 2 digital inputs for detecting states (eg. door state sensor)
- 2 relay outputs to control (eg. bolt door lock)
- 1 independent status input tamper
- controlling connected reader (3 OC outputs: Beep, Red, Grn)
- RS-485 port for connecting external devices
- configurable network settings (eg. IP, TCP, DHCP, SNTP)
- configuration of the device through the Web (requires authorization)
- memory around 63000 events with a time stamp
- synchronization with the SNTP time server
- unit in housing for DIN rail or OEM (to be built)



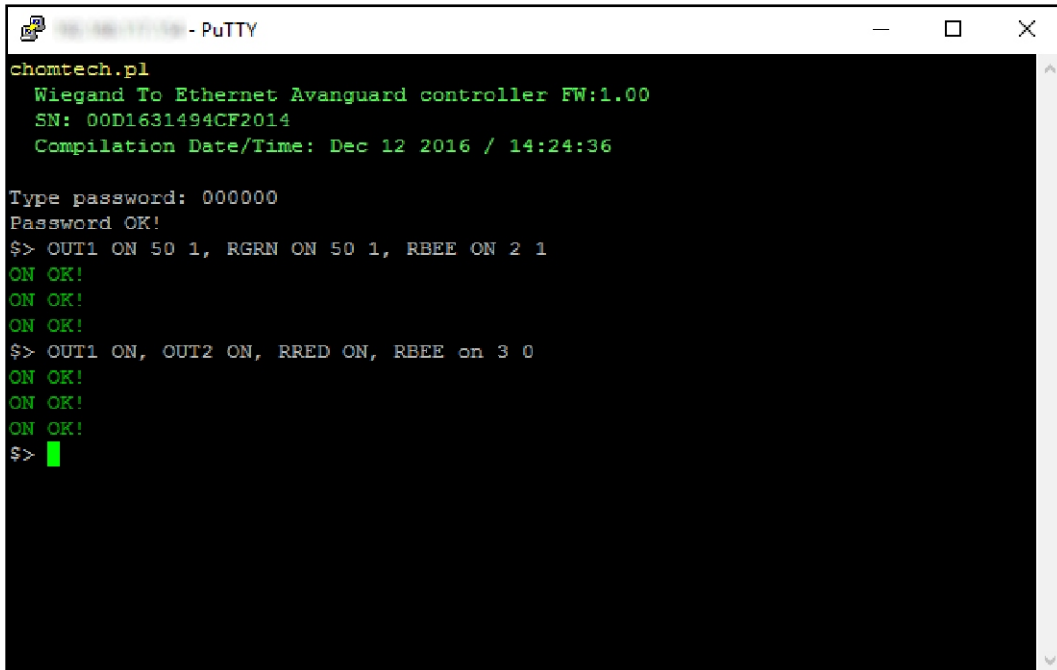
## TECHNICAL SPECIFICATIONS

<b>EVENT BUFFER</b>	63488
<b>POWER SUPPLY</b>	12V DC
<b>POWER CONSUMPTION</b>	~180mA (without readers)
<b>READER'S INTERFACE</b>	WIEGAND or RS-485
<b>COMPATIBLE READERS</b>	proximity, biometrics, barcodes, magnetic, OCR, ICR, OMR, RFID UHF
<b>TYPES OF CARD</b>	compatibility with the reader technology
<b>INPUTS</b>	2 digital universal inputs + 1 input status tamper
<b>OUTPUTS</b>	NO/NC - 2 outputs (2A/120V AC)
<b>'SLAVE' DEVICES BUS</b>	RS-485
<b>'MASTER' DEVICES BUS</b>	ETHERNET
<b>DIMENSIONS [mm]</b>	106x66x19 (PCB) / 87x72x60 (with housing)
<b>WEIGHT [g]</b>	431 (PCB) / 533 (with housing)
<b>MOUNTING HOLES</b>	4pcs - diameter 4mm
<b>OPERATING TEMPERATURE</b>	0°C - +55°C
<b>STORAGE TEMPERATURE</b>	-20°C - +70°C
<b>HUMIDITY RELATIVE</b>	under 80%
<b>OPTIONS</b>	AC adapter 12V DC, 500mA; connection cables - 1m housing (material - ABS)

## EXAMPLE COMMUNICATION WITH THE DEVICE VIA PUTTY TERMINAL

Possibility to configure the device in the TCP (1 or 2 ports), eg. by PuTTY terminal - it allows to issue commands to control the outputs and read events.

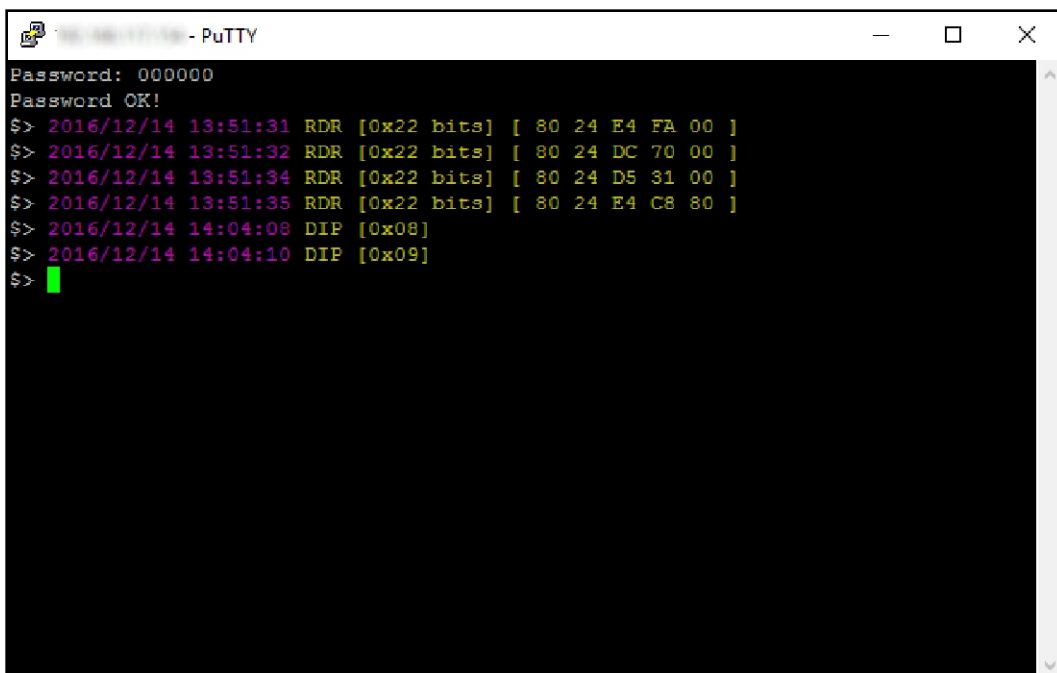
### EXAMPLE OF COMMANDS ISSUED IN THE PUTTY TERMINAL



```
chomtech.pl
Wiegand To Ethernet Avanguard controller FW:1.00
SN: 00D1631494CF2014
Compilation Date/Time: Dec 12 2016 / 14:24:36

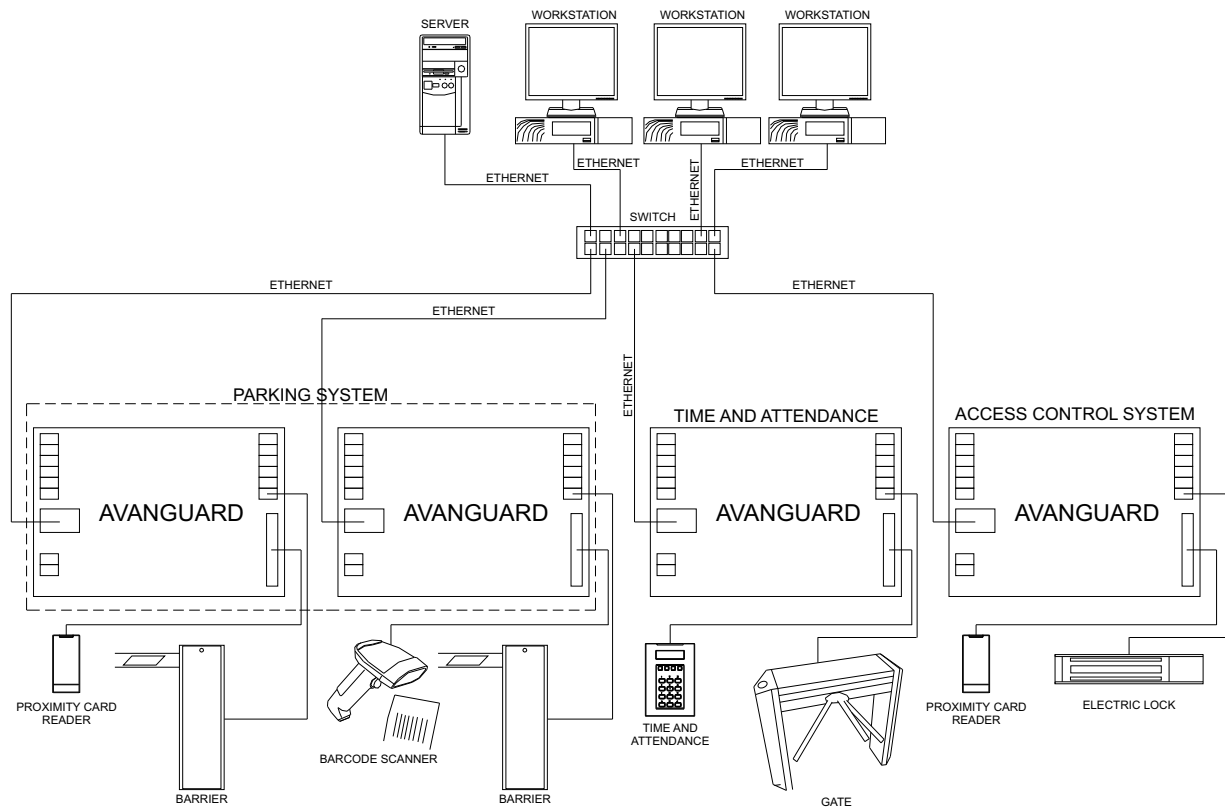
Type password: 000000
Password OK!
$> OUT1 ON 50 1, RGRN ON 50 1, RBEE ON 2 1
ON OK!
ON OK!
ON OK!
$> OUT1 ON, OUT2 ON, RRED ON, RBEE on 3 0
ON OK!
ON OK!
ON OK!
$>
```

### EXAMPLE HOW TO GET LIVE EVENTS (LOGS) LIST ON THE PUTTY TERMINAL



```
Password: 000000
Password OK!
$> 2016/12/14 13:51:31 RDR [0x22 bits] [ 80 24 E4 FA 00 ]
$> 2016/12/14 13:51:32 RDR [0x22 bits] [ 80 24 DC 70 00 ]
$> 2016/12/14 13:51:34 RDR [0x22 bits] [ 80 24 D5 31 00 ]
$> 2016/12/14 13:51:35 RDR [0x22 bits] [ 80 24 E4 C8 80 ]
$> 2016/12/14 14:04:08 DIP [0x08]
$> 2016/12/14 14:04:10 DIP [0x09]
$>
```

# EXAMPLE OF SYSTEM SCHEME



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rev.1.34\_20170131

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