

AP6003

IP Reader Interface



Welcome

General

- Ask questions directly
- Nedap.net for latest information

- and

Switch your mobile phone **OFF**



AP6003: IP Reader Interface

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**For connecting third party readers to AEOS
PoE (PoIP) (48V)**

and / or External Power Supply (24V)

Reader supply 12V / 24V (jumper selectable)

2 reader interfaces:

- RS485 / RS232 (jumper selectable)
- Wiegand / Omron

2 relay outputs, 4 secured digital inputs

2 * UL, NA, buzzer output (e.g. connect to Convexs)

Tamper switch

AP6003: IP Reader Interface

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IP settings must be configured

- AEConf (AEOS v2.3), Hyperterminal

Firmware downloadable (not all firmware yet available)

At AEmon: acts like AEpack

Fall back mode (network failure)

AP6003 (1001)	
Read1	<input type="checkbox"/>
Read2	<input type="checkbox"/>
IN1	<input type="checkbox"/>
IN2	<input type="checkbox"/>
IN3	<input type="checkbox"/>
IN4	<input type="checkbox"/>
Tamp	<input type="checkbox"/>
Vraw	<input type="checkbox"/>
Vbat	<input type="checkbox"/>
Pin1	<input type="checkbox"/>
Pin2	<input type="checkbox"/>
Fbm1	<input type="checkbox"/>
Fbm2	<input type="checkbox"/>

AP6003 (1001)	
<input type="checkbox"/> UL1	
<input type="checkbox"/> UL2	
<input type="checkbox"/> NA1	
<input type="checkbox"/> NA2	
<input type="checkbox"/> RY1	
<input type="checkbox"/> RY2	
<input type="checkbox"/> Buz1	
<input type="checkbox"/> Buz2	

IpDeviceProxy
IpDeviceProxy_1

AP6003: Power Supply

PoE

- Input: 48V (Specs PoE) 15,4W
- Lock supply (total):
 - Lock 24V: max **250** mA
 - Lock 12V: max 500 mA
 - 12V readers: max 200 mA

Vin

- Input: 24VDC ($\pm 10\%$) 750 mA
- Lock supply (total):
 - Lock 24V: max **500** mA
 - Lock 12V: max 500 mA
 - 12V readers: max 200 mA

AP6003: Connected to AEpu

AP6003:

- Max 32 x AP6003 on one AEpu (normal / virtual AEpu)
(max number of doors for AEpu = 32)

Maximum Nr. of	AP8001X	AP48xxX	AP8001	AP48xx
AEpacks	32	7	15	7
AP1001-AP1007	32	7	8	7
AP1009	32	7	8	7
AP400x	8	7	4	3
AP6003	32	32	8	8
AP1201	32	7	15	7
AX2002	8	8	8	8
Doors	32	32	16	16

AP6003: IP configuration

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AEConf

- Connection – Open terminal window (# help)
- # config

Network configuration utility

Host name of this device [ap6003]:

Use dynamic host network configuration (DHCP)(y/n) [yes]: no

IP address of this device [10.4.109.90]:

Network address range [255.255.0.0]:

AP6003: IP configuration

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Use domain name server (DNS) (y/n) [no]: y

IP address of primary domain name server [192.168.1.10]:

IP address of secondary domain name server [192.168.1.11]:

Domain suffix []:

Use a gateway (y/n) [no]: y

IP address of the gateway [192.168.1.10]:

UDP port number for communication with AEpu (1-65535) [8001]:

Passphrase for encrypted communication with AEpu [*****]:

Please reboot the board to activate changes...

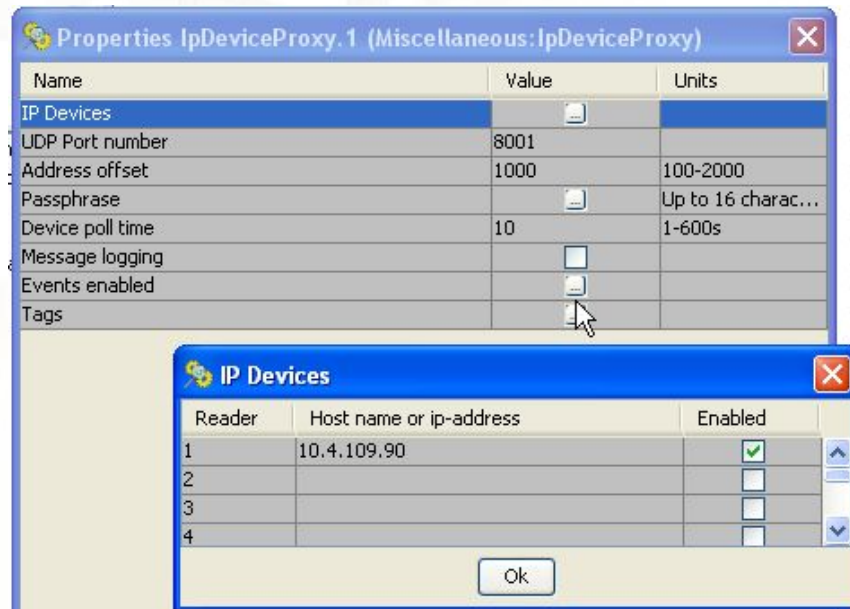
reboot

AP6003: AEmon Configuration

Miscellaneous - *IpDeviceProxy*

- Make settings at IpDeviceProxy (**one** pro AEpu)

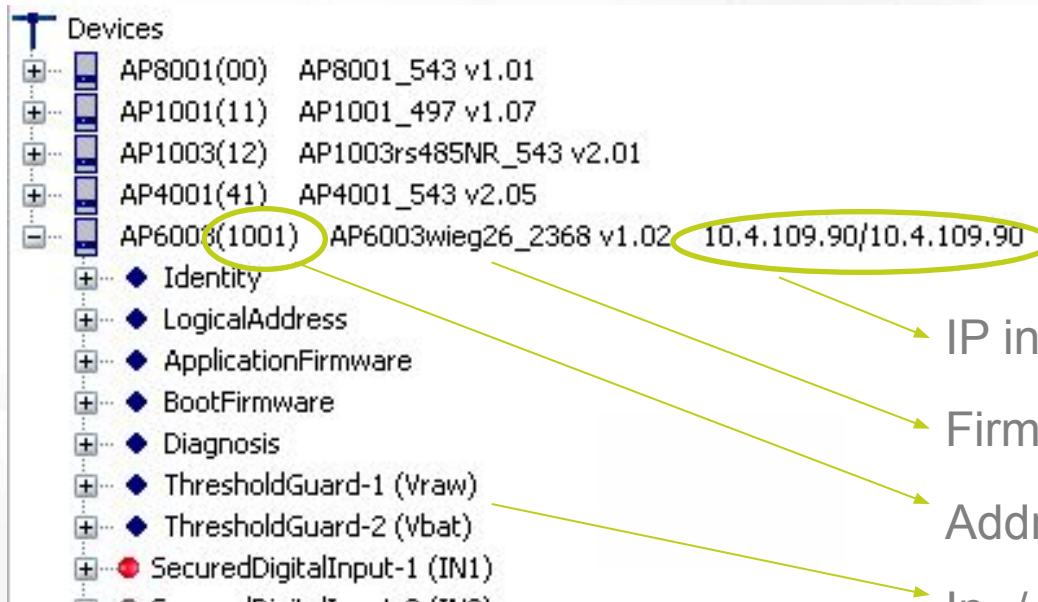
IpDeviceProxy
IpDeviceProxy.1



- Optional change phassprase (password)
- Reload configuration from AEpu

AP6003: AEmon Hardware view

- Almost identical to other AEpacks



IP information (Name / IP address)

Firmware

Address (from offset)

In- / Outputs (as AEpacks)

AP6003: Fall back mode

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AEOS version 2.3

- Reduced Access Points with fixed mapping
- Limited functionality
 - Hardware limitations
 - No connection to AEpu
- Authorization modes
 - Normal (full authorization model, check limitations)
 - Mask
 - AND combination
 - OR combination

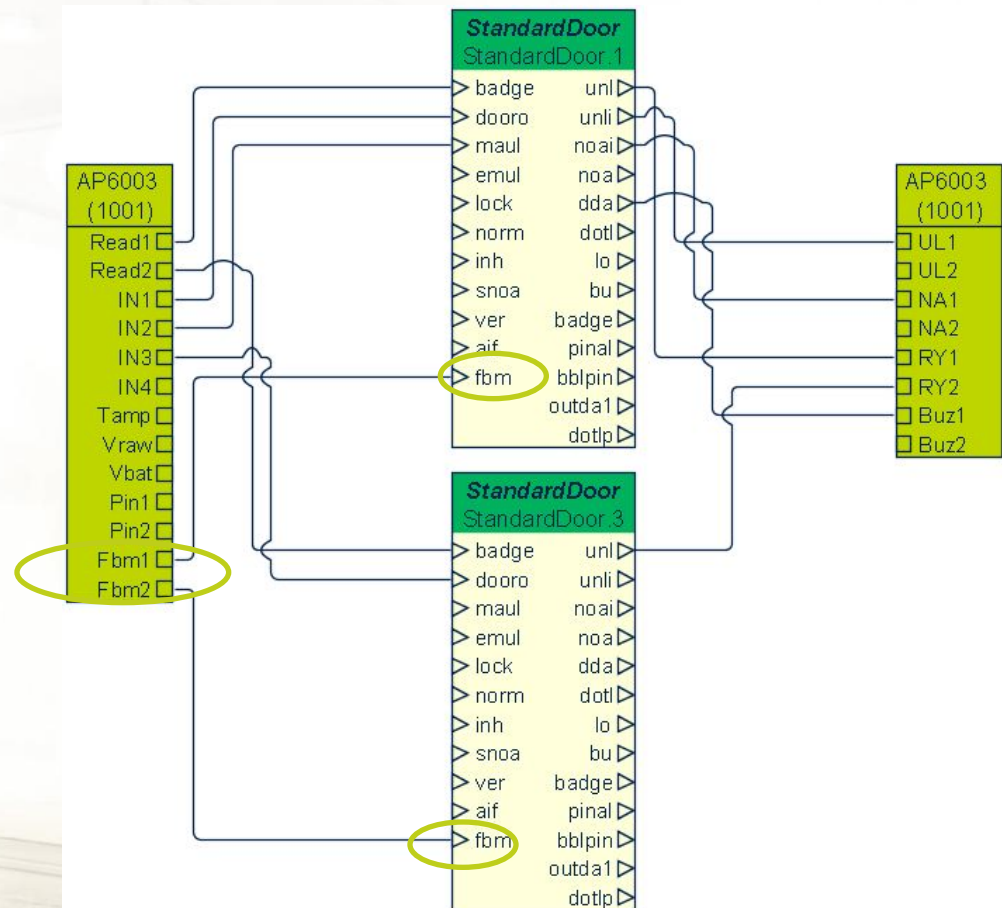
AP6003: Fall back mode

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fbm inputs

Fixed mapping

- Badge reader
- Door contact
- Manual unlock
- Manual unlock-2
- Door unlock
- Unlock indication
- NA indication
- Door alarm



AP6003: Fall back mode

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AccessPoint Properties

Blocking time for identifier instead of carrier ☐

Activation mode of busy output ☐ Authorized ide...

Fall back mode properties

Door Opened normally closed ☒

Mask

Normal

Combined-OR

Combined-AND

Fall Back Mode Properties

Authorization Mode: Mask Number of authorization masks: 4 Apply Mask bytes available: 452

Sub type	Customer code involved	Customer code match	Badge number involved	Badge number match
5	00	00	00	00
5	0fff	015a	00	00
5	0fff	015a	0ffffff	0123
5	0fff	015a	0ff000	1000

Ok Cancel

- 1 All Nedap CF badges (subtype 5)
- 2 All Nedap CF badges with customer code 15a
- 3 Only CF 15a and nr 123
- 4 CF 15a badge range 1000...1999

Check AEbc AccessPoint descriptions !



Questions so far ?

- AP6003
- Power supply / PoE
- IP configuration
- AEmon
- Fall Back modes



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AP6003