



TELEDATA®

INTEGRATED SECURITY SYSTEMS
BUILDING AUTOMATION

Head Office:
Via Giuliotti n.8, 20132, MILANO
Tel. +39 02.27.20.13.52
Fax. +39 02.25.93.704
E-mail: info@teledata-i.com

R&D office:
Via Carducci, 64 La Fontina
56010 S. Giuliano Terme (Pisa)
Tel./Fax +39.050.87.87.25
E-mail: pisa.t@teledata-i.com

www.teledata-i.com

User Manual

ONEconnect

Rev. 0.3



1 Introduction

1.1 Purpose of the Document

Scopo del documento è descrivere le modalità operative del dispositivo di connettività PTLan-EVO

1.2 Applicable Documents

TBD

1.3 Reference documents

TBD

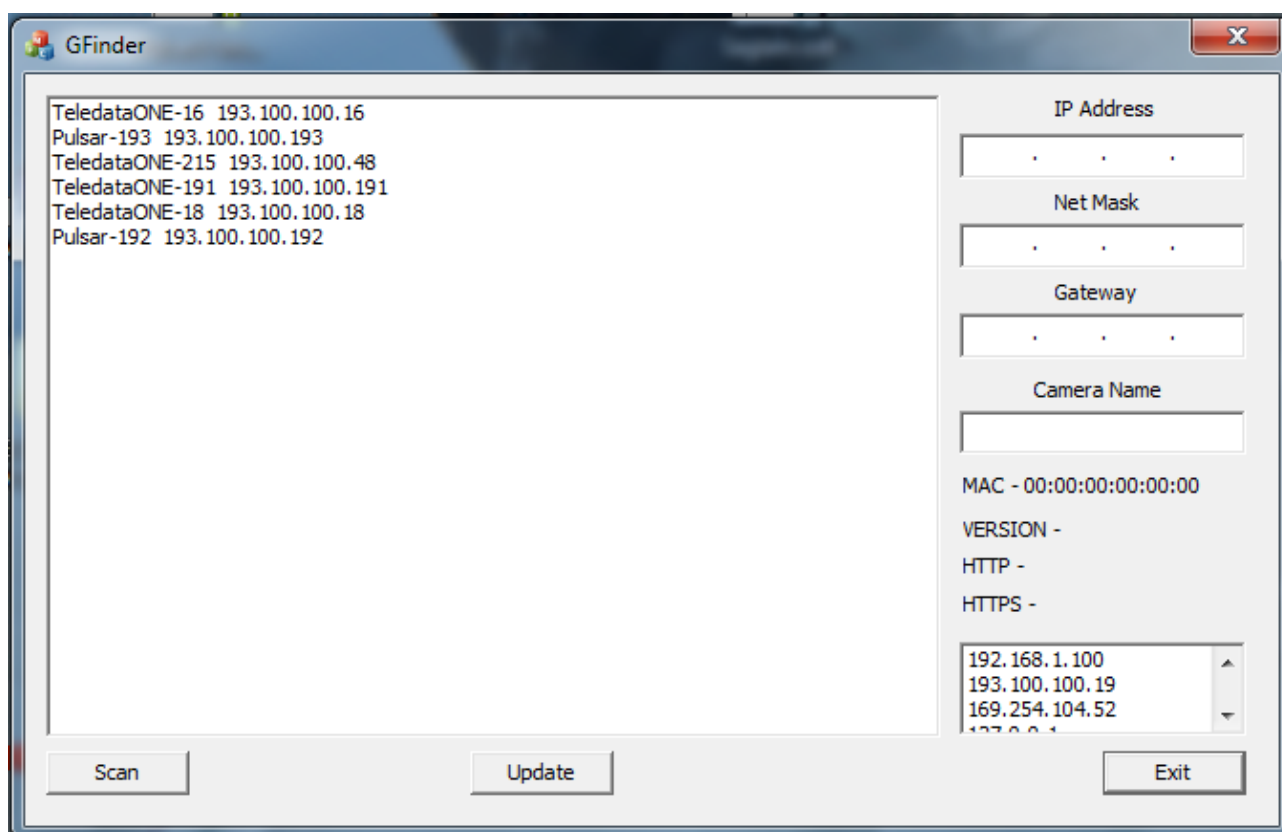
1.4 Acronyms

HW	HardWare
LED	Light Emitting Diode
SW	SoftWare
TBC	To Be Confirmed
TBD	To Be Defined
WD	Watchdog
FW	FirmWare
GPIO	General Purpose Input Output

2 Access to device

2.1 Access through Gfinder

It is possible to "find" the device on the network and eventually modify the IP parameters through Gfinder



2.2 Access through WEB Browser

The primary access to the device performs through a WEB browser (recommended GOOGLE CHROME) through the URL: <http://192.168.1.1:7070> from which the page in Fig. 1 is shown

Selecting the NET CONFIGURATION button navigates to the configuration page (Fig. 2)



TELEDATA[®]

www.teledata-i.com

INTEGRATED SECURITY SYSTEMS
BUILDING AUTOMATION

The screenshot shows a web browser window with the address bar displaying '193.100.100.16:7070'. The browser's address bar also shows 'Non sicuro' and the URL '193.100.100.16:7070'. Below the address bar, there are several tabs: 'App', 'KWHmeter-41', 'KWHmeter-42', 'KWHmeter-116', and 'KWHmeter-118'. The main content area of the browser displays the Teledata logo and the text 'PTLan-EVO - Teledata s.r.l.'. Below this, there are several buttons and input fields: a 'SHOW DATA' button, a date-time input field showing '6/9/2018, 07:53:28' with a 'Set Date-Time' button, a 'NET CONFIGURATION' button, a 'DIAGNOSTICS' button with a dropdown menu showing '1', a 'SHOW RETAIL LOG' button, and a 'MAINTENANCE' button.

Fig. 1



TELEDATA[®]

www.teledata-i.com

INTEGRATED SECURITY SYSTEMS
BUILDING AUTOMATION

ONEconnect
NETWORK CONFIGURATION

IF CONFIG section

IP ADDRESS

NET MASK

GATEWAY

DNS

MTU

WIFI CONFIG section

Enable WiFi ☐ (optional device)

WI-FI SSID

WI-FI KEY

IP ADDRESS (WI-FI)

NET MASK (WI-FI)

TCP/Serial section

ENABLE TcpSerial ☐

PORT

CENTRALE

REST section

REST URL

REST APP

REST PORT

USERNAME

DEVICE NAME

REST TRACE ☐

Fig. 2



3 Configuration

The device has two features:

1. ETHERNET / Serial converter
2. Gateway

The first one is the basic functionality, same of disused PTLan device model.

The second one is an advanced feature through which the device is able to connect the Teledata fire alarm control panel (TeledataONE, ONE mini) to the outside world through the REST and ModBus protocols

3.1 NETWORK configuration

In this section, the IP address, net mask, gateway and primary DNS must to be configured

3.2 TCP-Serial configuration

To configure the device as a LAN / SER converter, select the "ENABLE TCP Serial" field

In this case, the communication baud rate with the downstream unit will be given by the selection of the "CENTRAL" field:

- ARGO (BR : 1200)
- SIRIUS (BR : 1200)
- EOLO (BR : 19200)
- OLIMPIA (BR : 19200)
- TELEDATAONE/ ONE mini (BR : 19200)
- CA-4800 (BR : 4800)
- CA-9600 (BR : 9600)
- CA-38400 (BR : 38400)
- CA-57600 (BR : 57600)

3.3 REST Configuration

In this section we configure the elements necessary to connect to the REST server for the remote Management of fire alarm panels

3.4 MODBUS Configuration

In this section we configure the elements necessary to connect to the BMS supervisor SW for remote control of fire alarm panels



3.5 CEI 79.5/6 Configuration

In this section necessary parameters for connection to the control panel in gateway mode must be set.

The Logic and physical addresses must be the same as the one set on the control panel (Fig. 3)

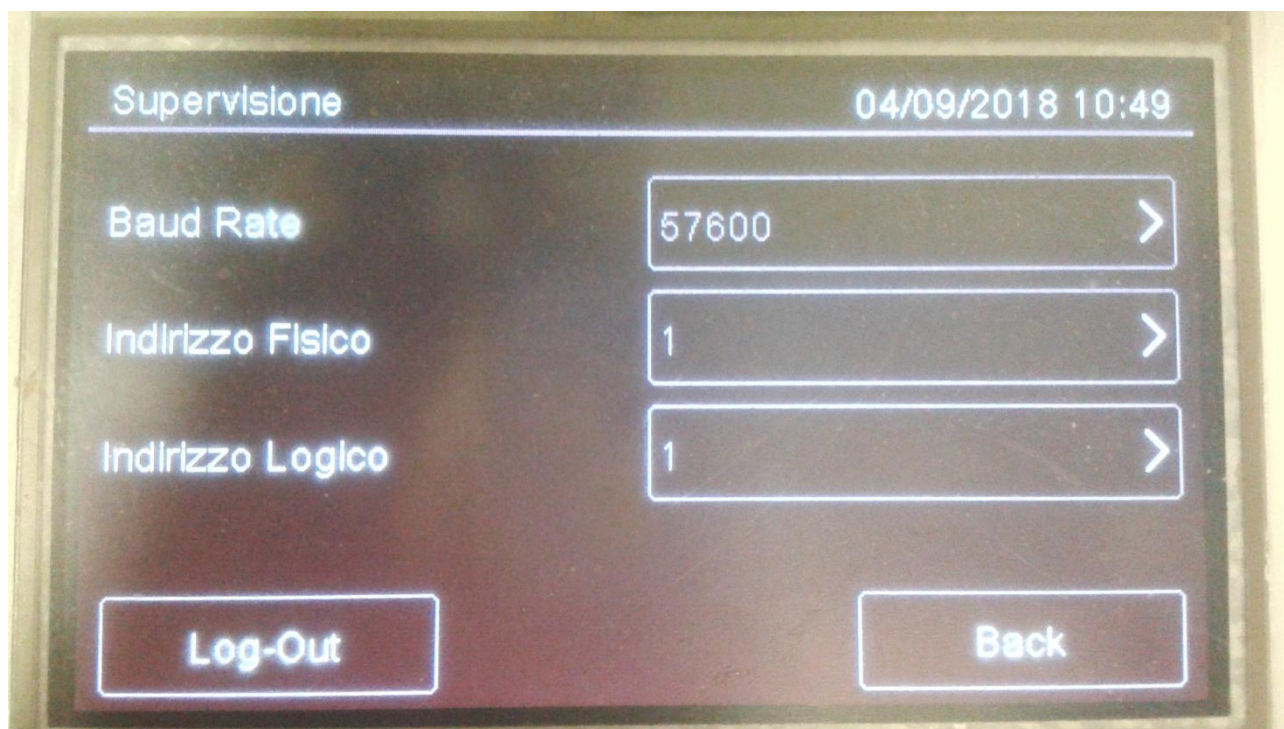


Fig. 3



TELEDATA®

www.teledata-i.com

INTEGRATED SECURITY SYSTEMS
BUILDING AUTOMATION

CEI 79.5/6 section

CEI Port 1

CEI Port 2

LOGIC ADDRESS

TIPO PERIFERICA

CEI 79.5+6 TRACE ☐

MODBUS section

MODBUS ADDRESS

MODBUS PORT

MODBUS TCP-IP ☒

MODBUS CENTRALE

MODBUS RESET ☐

MODBUS TRACE ☐

DIAGNOSTIC TRACE ☐

ENABLE PRINTER ☒

Fig. 4



4. Operative Mode Monitor

In the case of configuration as LAN / SER converter, when SHOW DATA is selected, the page in Fig. 5 will show.

In the case of configuration as a Gateway, selecting when SHOW DATA is selected, the page in Fig. 6 will show.

Fig. 5

PTLan EVO - MCE vers. 1.0.1.h (HTTP vers. 1.0.0.b)
Update @ Fri Nov 20 10:14:04 2015 (TZ 3600, CET)

TCP SERIAL enabled
PORT : 10001
CENTRALE : TELEDATAONE
MODULO : OFF LINE

[AGAIN](#) (la pagina rinfresca automaticamente ogni 60 s.)
[Index](#)

AVAILABLE SYSTEM MEMORY 64292 of 378428



TELEDATA®

www.teledata-i.com

INTEGRATED SECURITY SYSTEMS
BUILDING AUTOMATION

Fig. 6

193.100.100.16:7070/show.html? Non sicuro | 193.100.100.16:7070/show.html?

App KWHmeter-41 KWHmeter-42 KWHmeter-116 KWHmeter-118 Gateway-18 >>

PTLan EVO - MCE vers. 1.0.1.g (HTTP vers. 1.0.0.c)
Update @ Thu Sep 6 08:14:05 2018 (TZ 7200, CEST)
Numero Periferiche : 1

MODULO 1 : ON LINE
SERIAL-PORT 1 : /dev/ttyS1
TIPO 1 : EOLO
TRACE 1 : OFF
SIGNED 1 : 40
NAME 1 : TeledataONE-16
LOGIC ADDRESS 1 : 16
VERSIONE : TONE 1.1.A00
LAST HTTP : Thu Sep 6 08:14:04 2018
HTTP FREQ : 2.700 sec.
CLOUD THRD STATUS : 1

AGAIN (la pagina rinfresca automaticamente ogni 60 s.)
Index

AVAILABLE SYSTEM MEMORY 187208 of 378704

5. Maintenance

When MAINTENANCE is select, the page in Fig.7 is shown

Fig. 7



Through the button “Scegli File” PTLan EVO firmware can be updated.



A1. Comandi REST per anagrafica

Informazioni circa la programmazione della centrale possono essere acquisiti attraverso interfaccia HTTP con semplici REST

Il formato del comando sarà il seguente:

[HTTP://192.168.1.1:7070/richtiestaspecifica?par1=value&par2=value&...](http://192.168.1.1:7070/richtiestaspecifica?par1=value&par2=value&...)

A1.1 Richiesta numero loop presenti

[HTTP://192.168.1.1:7070/req_nloop.html?token=999999999](http://192.168.1.1:7070/req_nloop.html?token=999999999)

A1.2 Richiesta mappatura dispositivi presenti su un loop

[HTTP://192.168.1.1:7070/req_devmap.html?token=999999999&loop=N](http://192.168.1.1:7070/req_devmap.html?token=999999999&loop=N)

dove N = 1 .. 9 (condizionato alla risposta alla richiesta del numero loop presenti)

A1.3 Richiesta mappatura zone

[HTTP://192.168.1.1:7070/req_zonemap.html?token=999999999](http://192.168.1.1:7070/req_zonemap.html?token=999999999)

A1.2 Richiesta info dispositivo

[HTTP://192.168.1.1:7070/req_devinfo.html?token=999999999&loop=N&dev=D](http://192.168.1.1:7070/req_devinfo.html?token=999999999&loop=N&dev=D)

dove:

N = 1 .. 9 (condizionato alla risposta alla richiesta del numero loop presenti)

D = 1 .. 240 (condizionato alla risposta alla richiesta della mappatura)

A1.2 Richiesta info zona

[HTTP://192.168.1.1:7070/req_zoneinfo.html?token=999999999&zona=Z&loop=N](http://192.168.1.1:7070/req_zoneinfo.html?token=999999999&zona=Z&loop=N)

dove:

N = 1 .. 9 (condizionato alla risposta alla richiesta del numero loop presenti)

Z = 1 .. 192 (condizionato alla risposta alla richiesta della mappatura)



Index

User Manual	1
ONEconnect	1
Rev. 0.3	1
1 Introduction	2
1.1 Purpose of the Document	2
1.2 Applicable Documents	2
1.3 Reference documents	2
1.4 Acronyms	2
2 Access to device	3
2.1 Access through Gfinder	3
2.2 Access through WEB Browser	3
3 Configuration	6
3.1 NETWORK configuration	6
3.2 TCP-Serial configuration	6
3.3 REST Configuration	6
In this section we configure the elements necessary to connect to the REST server for the remote	6
3.4 MODBUS Configuration	6
In this section we configure the elements necessary to connect to the BMS supervisor SW for	6
remote control of fire alarm panels	6
3.5 CEI 79.5/6 Configuration	7
4. Operative Mode Monitor	9
5. Maintenance	11