35 YEARS

TELEDATA®

ACCESS CONTROL System

Technology
Magnetic
Proximity
Biometric
Face Recognition

ACCESS CONTROL System

ACCESS CONTROL Solution

For passage protection and access control for all the protected areas TELEDATA has an innovative series of products that base the functioning on biometric, magnetic and proximity cards recognizing systems.

These systems, available in different frequency modulations and with combined functionality that can interface with other systems, allow to realize stand alone, centralized or integrated systems with a huge number of users.
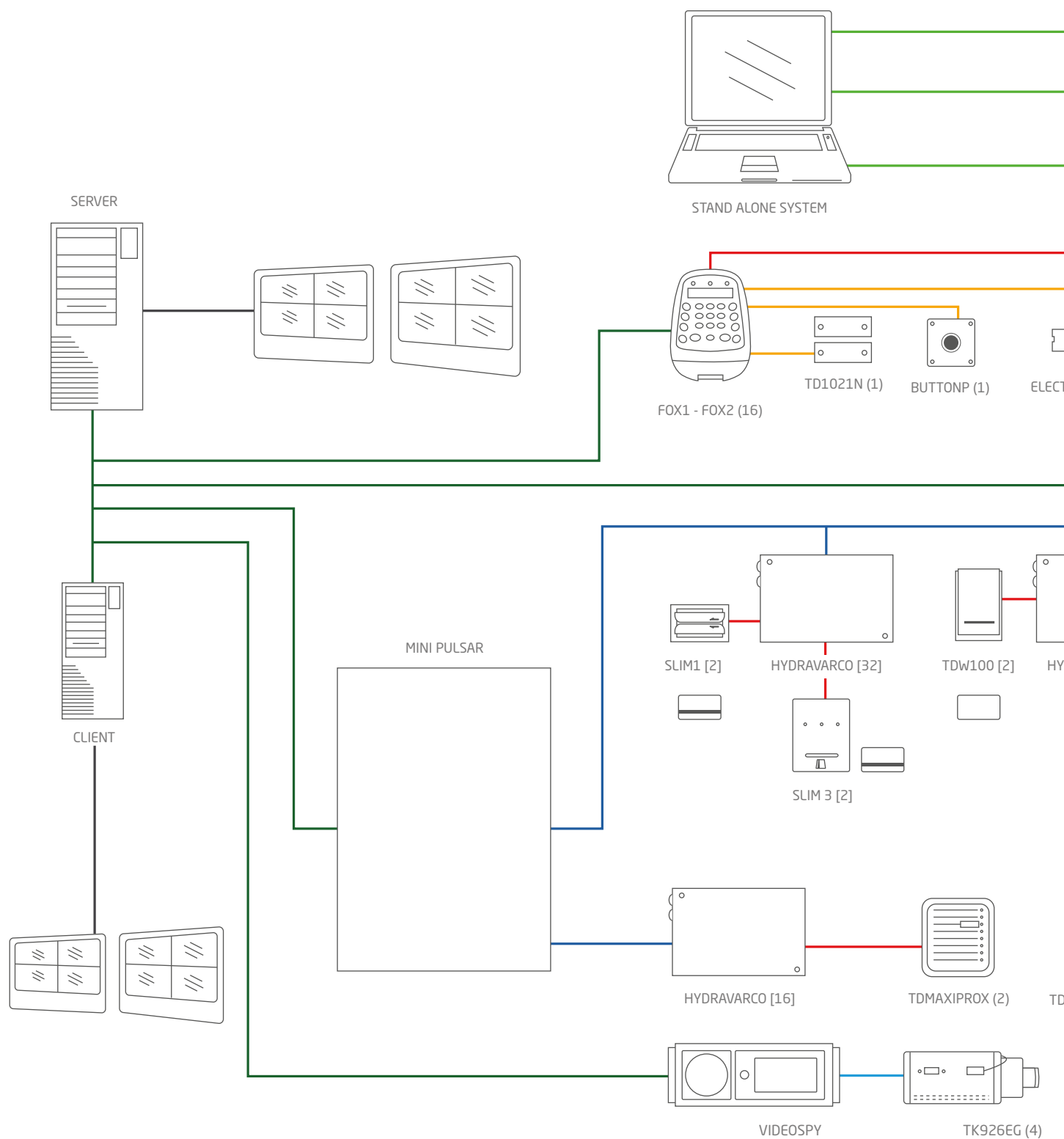
It is also possible to manage vehicular passages for protected areas with a recognizing system with a proximity transponder o using a number plate reader.

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ACCESS CONTROL System

SERVER

STAND ALONE SYSTEM

FOX1 - FOX2 (16)

TD1021N (1)

BUTTONP (1)

ELECT

MINI PULSAR

SLIM1 [2]

HYDRAVARCO [32]

TDW100 [2]

HY

SLIM 3 [2]

CLIENT

HYDRAVARCO [16]

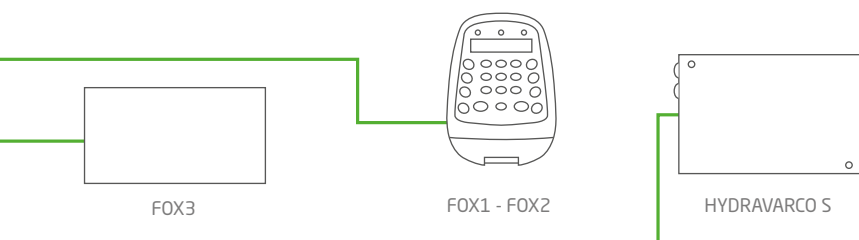TDMAXIPROX (2)

TD

VIDEOSPY

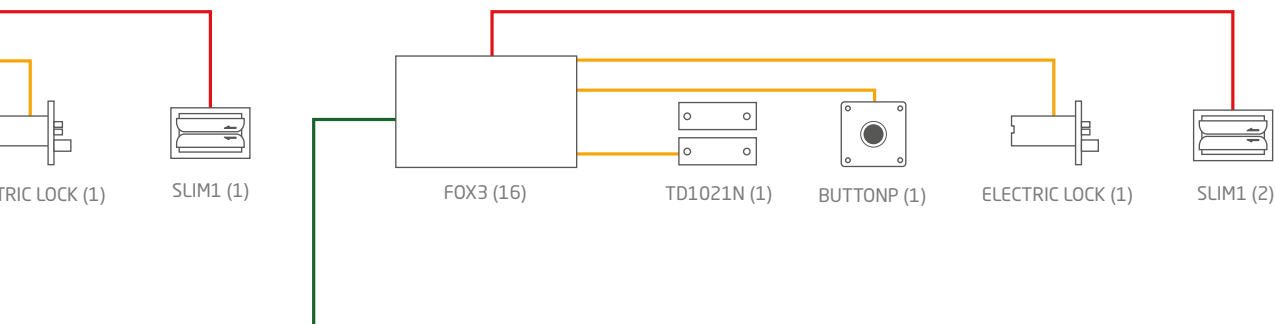TK926EG (4)

TCPIP LINE
(Cat.5 cable)

RS485 LINE
(Shielded, cable with 2 connectors for power
supply and 2 connectors RS484 for signal)

SIGNAL
(Shielded, cable with 2 connectors
for signal without power supply)

RS232
(Cable with 9 connectors for signal)

FOX3

FOX1 - FOX2

HYDRAVARCO S

TRIC LOCK (1)

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BUTTONP (1)

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ELECTRIC LOCK (1)

0PROX CARD
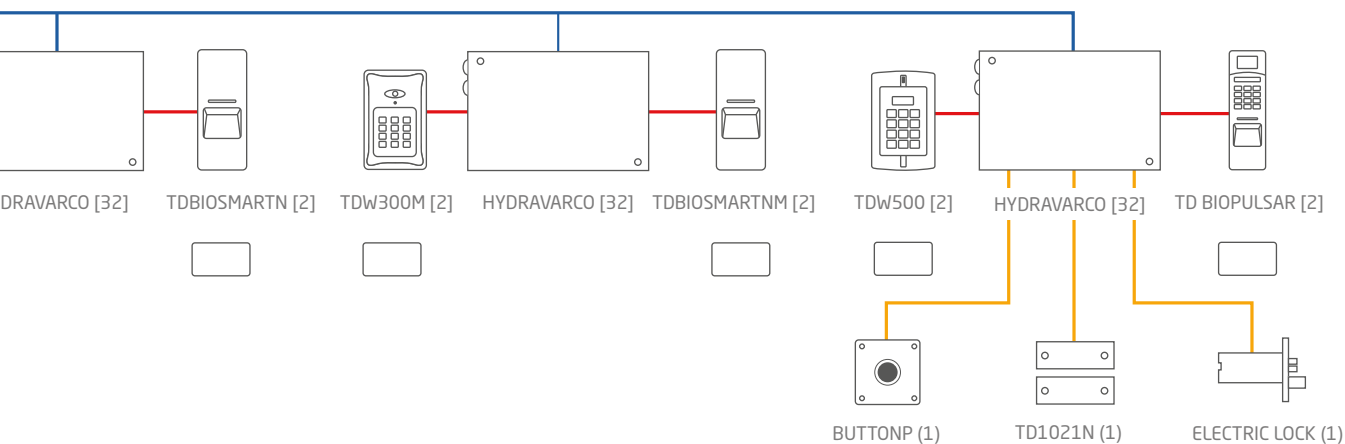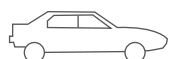
[x] = Maximum Number of connected device.
The device cannot be added tougher ex: (x) or (x)

─── **POWER SUPPLY AND SIGNAL**
(Shielded, cable with 2 connectors
for power supply and 2/4/6 connectors for signal)

─── **VIDEO ANALOGICAL SIGNAL**
(Coaxial cable RG59)

(x) = Maximum Number of connected device.
The devices can be added tougher ex: (x) + (x)

INTEGRATED ACCESS CONTROL TERMINALS
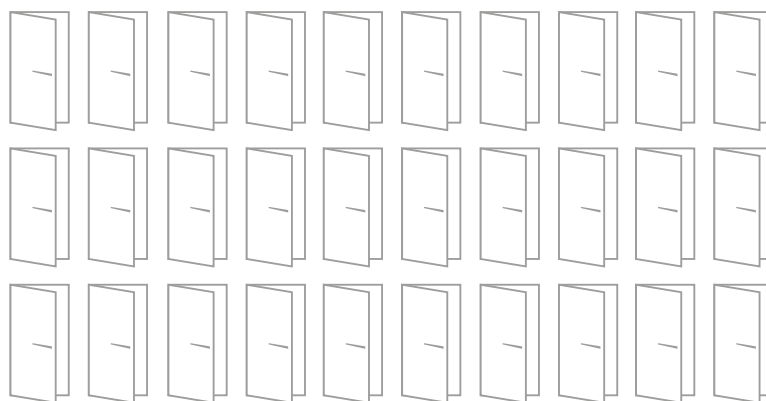
System with an unlimited number of terminals and access points
to be integrated with the FIRE DETECTION, BURGLAR ALARM AND CCTV systems

CENTRALIZABLE TERMINALS
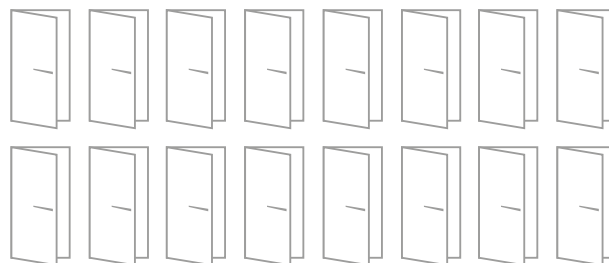
System with a maximum number of 16 terminals and 16 access points

STAND ALONE TERMINALS

System for one terminal and access point

> **MICROVARCO** Micro access control node management for N°4 readers *Q3 2013

Technical features

- ARM 9 architecture with LINUX Embedded operative system
- 64 MB RAM, 256 MB FLASH On board Memory
- 2 doors management by using 4 readers.
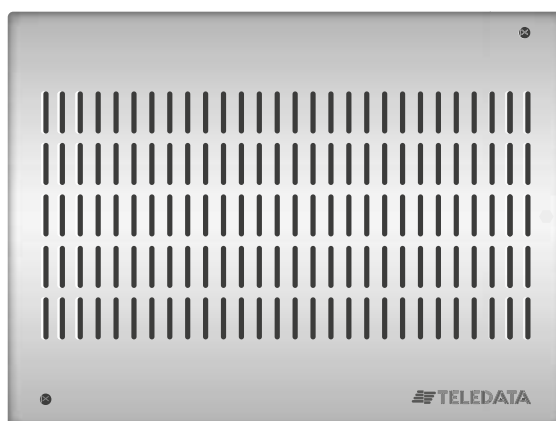- Clock & Data and Wiegand protocol communication inputs for readers.
- RS 485 serial line for readers with display or 2 Hydra Varco management.
- 4 digital inputs for management of 2 push buttons and 2 magnetic contacs for door status.
- 4 relays 2 for door managment and 2 for general purpose
- 1 ETHERNET 10 100 Auti MDI-X interface with POE possibility
- 12 open collector outputs for signalling.
- Consumption 500mA
- Auxiliary power supply outputs: 1250mA with POE+ / 12 Vdc input (max with 500mA POE)
- Power supply 13.8 Vdc (min 10.2Vdc – max 14,8Vdc). Poe
- Metallic housing for wall mounting
- Temperature usage +5C° - *40 C°

Functional characteristics

- The Micro Varco concentrator can manage up to 2 independent access point using up to 2 Hydra Varco on RS 485 bus
- Memorizes 200,000 cards and 40,000 transits
  The time door opening after authorised card acknowledgement is no longer than 0.5 sec even when programmed to maximum capacity.
- Autonomous automatic summer/winter time management
- Preprogrammed with automatic century change (up to 2100)
- Autonomous access point management using the following functions:
  - Access point always enabled (any card can always transit)
  - Access point always disabled (any card can always transit)
  - Access point with card control (access is card-controlled in specific time zones)
  - Access point always open (door latched always ON)
- Customized groups and zone management for each card.
- Up to 16 time zones and 16 weekly divisions can be programmed for up to 256 groups
- Timed anti - passback control
- Transit control using:
  - Card
  - Fingerprint
  - Keypad code
- Tamper control with access and removal protection.
- Micro Varco management using the Serchio 2009 system and Winwatch platform
- The installed software can be updated from the main monitoring station and controlled via Ethernet network with TCP/IP protocol
- Multi-user option, 2 monitoring systems connected simultaneously
- MODBUS ICP IP E MODBUS RTU OVER IP

Intergated access control terminals

> **MINI PULSAR** Access control concentrator
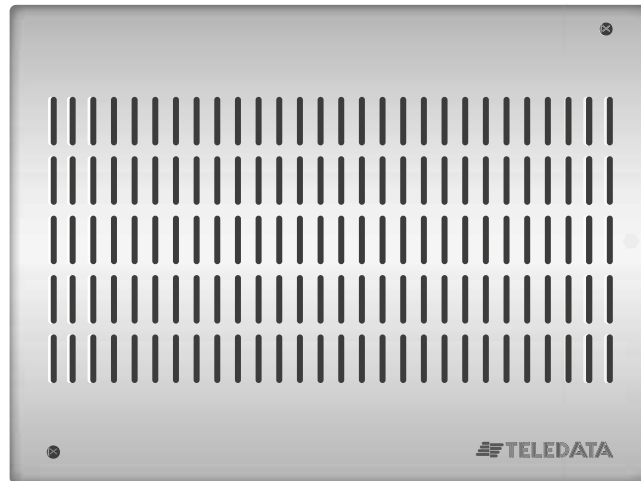
Hardware Features

- Unit with 133 MHz microprocessor
- 32Mbytes Flash expandable to 64Mbytes
- 32Mbytes Ram expandable to 64Mbytes
- Embedded Operating System
- Back-up battery for internal memory for cards and transits
- Internal clock for automatic calendar, summer-winter time and century change management
- Ethernet 10 100 Base t Integrated network card
- 5 independent serial lines
- 3 RS485
- 2 RS232
- 16 inputs
- 4 relay outputs
- 8 Open collectors
- Internal buffer battery
- Power supply: 12Vdc
- Consumption: 480mA
- Operating temperature: 0 - 50C°
- Relative humidity: 0%-95%
- Weight: 3.5 Kgm
- Dimensions: 180x240x85mm

Functional characteristics

- The Mini Pulsar concentrator can manage up to 32 independent access point using up to 32 Hydra Varco on RS 485 bus
- Memorizes 200,000 cards and 32,000 transits
  The time door opening after authorised card acknowledgement is no longer than 0.5 sec even when programmed to maximum capacity.
- Autonomous automatic summer/winter time management
- Preprogrammed with automatic century change (up to 2100)
- Autonomous access point management using the following functions:
  - Access point always enabled (any card)
  - Access point always disabled (any card)
  - Access point with card control (access is card-controlled in specific time zones)
  - Access point always open (door latched always ON)
- Customized groups and zone management for each card.
- Up to 16 time zones and 16 weekly divisions can be programmed for up to 256 groups
- Timed anti - passback control
- Transit control using:
  - Card
  - Fingerprint
  - Keypad code
- Tamper control with access and removal protection.
- Mini Pulsar management using the Serchio 2000 system and Winwatch platform
- The installed software can be updated from the main monitoring station and controlled via Ethernet network with TCP/IP protocol
- Multi-user option, up to 5 monitoring systems connected simultaneously
- MODBUS ICP IP E MODBUS RTU OVER IP

> **HYDRA VARCO** ACCESS point controller for Mini Pulsar

Hardware Features

- ACCESS controller for Mini Pulsar concentrator
- 8 bit microprocessor
- RS485 interface
- 4 inputs
- 2 relay outputs - 250 VacV5A - Programmable outputs
- 2 relay outputs - 120 Vac - 30 Vac 1A - Programmable outputs
- 2 clock and data and wiegand interface
- Consumption: 190mA

Software Features

Management:
- Door status
- Manual door release buttons
- Local acoustic signal
- Door opening
- Dip-switch addressing system
- Power LED
- Communication status LED
- 2 RS 232 - RS 485 serial lines
- Power supply: 12Vdc

Centralizable terminals

> FOX3 Stand alone CMOS access control peripheral unit (controlled by SERCHIO SW)

- Supplied with magnetic reading reader ISO/ABA 2nd track
- Firmware remotely uploaded onto FLASH EPROM
- Remote programming/remote management
- Liquid crystal display with 20x2 backlit characters
- To be used with proximity card readers
- 4 open collector inputs, freely programmable
  - door alarm
  - manual opening etc.
- 4 relay outputs (1A/24V), programmable
- 1 Buzzer
- 2 serial lines
  - serial line for local printer
  - RS 232C/RS 485/Current Loop standard serial line for Host
    (up to 19,200 Baud)
- Management between the different remote card reader
- Stores up to 20,000 cards on non-volatile memories
- Stores up to max 10,000 transits

- Accepts up to two readers
  - Magnetic
  - Proximity
  - Fingerprint
  - Chip Card
- Anti pass back
- Internal clock sync with summer-winter time option
- Autonomous card management and autonomous time zone control
- Centralised programming
- It can be centralized on:
  - dedicated/switched lines
  - LAN ETHERNET
  - LonWork
- It can be interfaced to all existing data processor systems
  with ASCII messages
- ABS case with following dimensions: 178x227x68 mm
- Weight: 9Kg.
- Power supply: 12Vdc/12Vac
- Consumption: 140 mA

> **FOX1/2** **Stand alone CMOS access control peripheral unit (controlled by SERCHIO SW)**

- Supplied with magnetic reader ISO/ABA 2nd track
- Firmware remotely uploaded onto FLASH EPROM
- Remote programming/remote management
- Liquid crystal display with 20x2 backlit characters
- Swipe (FOX2) or insertion (FOX1) type
- 4 open collector inputs, freely programmable
  - door alarm
  - manual opening etc.
- 4 changeover relay outputs (1A/24V), freely programmable
- 1 buzzer
- 3 frontline LEDs
- 2 serial lines
  - serial line for local printer
  - RS232C, RS485, LAN serial line for Host
- Direction management between the different remote readers
- Stores up to 1.600 cards on non-volatile memories
- Stores up to max 10.000 transits
- Anti pass-back
- Internal clock sync with summer-winter time option
- Autonomous card management and time zone control

- Access control
- Reading head
- Standard magnetic head ISO/ABA 2nd track with low and high coercivity
- Proximity option
- Remote control of a second magnetic reading head
- Centralised programming
- Elegant Design
- Multilingual instructions
- It can be centralized on:
  - dedicated/switched lines
  - LAN ETHERNET
- Wireless connection option (433 MHz)
- It can be interfaced with all existing ASCII based data processor systems
- ABS case with following dimensions: 178x227x68 mm
- Power supply: 12Vdc/12Vac
- Consumption: 140 mA

Stand alone terminals

Magnetic card reader Clock and Data version

> TDW10A Stand alone proximity card reader with keypad

- Proximity reader for 125Khz cards + keypad for standalone passages management
- Supported cards: EM125kHz Technology
- Maximum capacity 1200 cards (1100 cards & pin zone 1 / 100 cards & pin zone 2)
- Pin code 4-8 digits
- 2 output relay for door opening
- 3 inputs (2 push buttons e 1 door status).
- Led and buzzer signaling for successful readings manageable externally
- Consumption: 60mA
- Power supply: 12Vdc
- Electronics in epoxy resin bath
- Zink alloy anti-vandal proof with IP68 protection grade
- Mechanical size: 133 x 57 x 24 mm.

> TDPROX125

> SL1 Magnetic card swipe reader unit ISO/ABA *on request

- Standard 2nd track
- Clock and data interface
- Wall-mounting version embedded in standard LIVING, BTICINO registered trademark
- 3 frontline LEDS
- Power supply: 5Vdc - 5/12Vdc
- Consumption: 50mA
- Dimensions: 160x60x100

MTES

> SLIM1 Magnetic reader to be installed on pillars *on request

- Outdoor installation in a metal case for outdoor use
- 3 frontline LEDS (Thermistor optional)
- Insertion type
- Clock and data interface
- Power supply: 5Vdc 50mA - 5/12Vdc
- Dimensions: 120x60x100

> MTES

> SLIM3 Embedded magnetic card reader *on request

- Outdoor installation in a metal case for outdoor use
- 3 frontline LEDS (Termistore optional)
- Insertion type
- Clock and data interface
- Power supply: 5Vdc 50mA - 5/12Vdc
- Dimensions: 100x160x100

> MTES

> TD/M Magnetic card swipe reader unit ISO/ABA *on request

- Magnetic card swipe reader unit ISO/ABA
- Standard 2nd track
- Clock and data interface
- Outdoor installation in a metal case for outdoor use IP45
- 3 frontline LEDS
- Power supply: 5Vdc - 5/12Vdc
- Consumption: 50mA
- Dimensions: 60x180x100
- Weight: 0.5 Kg

> MTES

> TDOP90 Proximity card reader at 125Khz in anodized aluminium *on request*

- Max reading distance 4cm
- Clock and data interface
- For indoor or outdoor installation
- Made from high-standard anodized aluminium
- 2 frontline LEDS and buzzer
- Dimensions:4x 7x 1.5 cm
- Power supply: 12Vdc 30 mA

> TDPROX125

> TDOP90 Proximity card reader at 125Khz in anodized aluminium

- Supported cards: EM125kHz Technology, EM410X or compatible
- Connection interface: Wiegand / Clock & data
- Led and buzzer signalling for successful readings manageable externally
- Consumption: 120mA
- power supply: 12Vdc
- Electronics in epoxy resin bath
- Plastic housing IP65 protection grade
- Mechanical size: 126 x 68 x 19 mm.

> TDPROX125

> TDW100MC Proximity reader for 13,56Mhz cards

Same features TDW100C but with

- Proximity reader for 13,56 Mhz cards
- Supported cards: ISO 14443 A Mifare UID

> TDPROX1356

> TDW100MD Proximity reader for 13,56Mhz desfire cards *on request*

Same features TDW100C but with

- Proximity reader for 13,56 Mhz cards
- Supported cards: ISO 14443 A Mifare, Mifare, DESFire EV1 secure sector

> TDPROXDES

> TDW300C Proximity reader for 125Khz cards with keypad

- Supported cards: EM125kHz Technology, EM410X or compatible
- Connection interface Wiegand / Clock & data
- Led and buzzer signalling for successful readings manageable externally
- Consumption: 120mA
- Power supply: 12Vdc
- Electronics in epoxy resin bath
- Plastic housing IP65 protection grade
- Mechanical size: 126 x 68 x 19 mm.

> TDPROX125

> TDW300MC Proximity reader for 13,56Mhz cards with keypad

Same features TDW300C but with:

- Proximity reader for 13,56 Mhz cards.
- Supported cards: ISO 14443 A Mifare UID

> TDPROX1356

> TDW300MD Proximity reader for 13,56Mhz desfire cards with keypad *on request

Same features TDW300C but with:

- Proximity reader for 13,56 Mhz cards.
- Supported cards: ISO 14443 A Mifare, Mifare DESFire EV1 secure sector

> TDPROXDES

> TDW500C Vandalproof Proximity reader for 125Khz cards with keypad

- Supported cards: EM125kHz Technology, EM410X o compatibile
- Connection interface Wiegand / Clock & data
- Led and buzzer signaling for successful readings manageable externally
- Consumption: 120mA
- Power supply: 12Vdc
- Electronics in epoxy resin bath
- Vandal proof IP68 protection grade
- Mechanical size: 120 x 75 x 22 mm.

> TDPROX125

> TDW500MC Vandalproof Proximity reader for 13,56Mhz cards with keypad

Same features TDW500C but with:

- Proximity reader for 13,56 Mhz cards.
- Supported cards: ISO 14443 A Mifare UID

> TDPROX1356

> TDW500MD Vandalproof Proximity reader for 13,56Mhz desfire cards keypad *on request

Same features TDW500C but with:

- Proximity reader for 13,56 Mhz cards.
- Supported cards: ISO 14443 A Mifare , Mifare DESFire EV1 secure sector

> TDPROXDES

> **TDW700C** Proximity reader for 125Khz cards with keypad and LCD

- Supported cards: EM125kHz Technology, EM410X o compatibile
- Connection interface Wiegand 26Bit / Clock & data / RS485
- Led and buzzer signaling for successful readings manageable externally
- Consumption: 140mA
- Power supply: 12Vdc
- Electronics in epoxy resin bath
- Plastic housing IP65 protection grade
- Mechanical size: 120 x 90 x 25 mm.

> TDPROX125

> **TDW700MC** Proximity reader for 13,56Mhz cards with keypad and LCD

Same features TDW700C but with:

- Proximity reader for 13,56 Mhz cards.
- Supported cards: ISO 14443 A Mifare UID

> TDPROX1356

> **TDW700MD** Proximity reader for 13,56Mhz desfire cards with keypad and LCD *on request*

Same features TDW700C but with

- Proximity reader for 13,56 Mhz desfire cards.
- Supported cards: ISO 14443 A Mifare , Mifare DESFire EV1 secure sector

> TDPROXDES

> **TDBIOPULSARM** Biometric reader with display and keypad *on request*

- 13,56Mhz and 125Khz proximity cards
- 400MHz DSP CPU
- 8MB flash + 16MB RAM Memory
- 500 dpi optical sensor
- 2,000 matches in 1 second
- 5,000 fingerprints (10,000 templates)
- 50,000 events
- Mifare (13.56 MHz), EM(125 KHz)
- Operation modes with Finger / PIN / Card
- TCP/IP and RS485 Network interface
- Wiegand interface
- 1 Internal Relay
- IP65 class
- LCD 128 x 64 pixel, black & white
- 3 x 4 keypad, 3 navigation keys
- Multi-color LED and multi-tone buzzer
- Power 12VDC
- Working temperature - 20°C ~ 50°C
- Dimensions: 60 x 185 x 40mm
- Consumption Min. 500 mA e oltre

> TDPROX1356   > TDPROX125

Finger print readers Wiegand versions

Number plate reader

Vehicular Proximity access control

> **TDANPR** Automatic number plate reader   **on request*

- Automatic number plate reader
- All in one system, camera analyser, IR illuminator
- All European countries onboard
- World-wide countries available
- Easy user configuration
- Dimensions: 200 x 120 x 100 mm [7.9 x 4.7 x 3.9 in]
- Power: 24 VDC +10% linear supply recommended
- Distance: 4 to 6 meters [9 to 18 ft] dependant on the environment
- Width: Up to 3,5 meters [9 ft] dependant on the environment
- Mounting: Pole/wall mounting kit included

> **TDANPRW** Wiegang converter for TDANPR   **on request*

- Converts a license plate to a wiegand event
- Converts a RS485 signal to wiegand
- Contains a match list to link license plate to a wiegand badge reader output
- Easy user configuration
- Dimensions: 130 x 125 x 35 mm [5.1 x 4.9 x 1.4 in]
- Weight: 600 g [1.3 lbs]
- Power: 12...24 VDC +10% linear supply recommended
- Communication: Between Wiegand interface module and ANPR reader - RS485
- Between Wiegand interface module and access panel – Wiegand
- Optional between Wiegand interface module and PC to configure match list – TCP/IP
- Mounting: Desktop or wall mounting (brackets included)

> **TDMAXIPROX** Vehicular proximity reader   **on request*

- Outside installation
  - (distance up to 73cm using T-ProxCard II)
  - (distance up to 240cm using TD-ProxPass)
- 1 front LED and buzzer
  can be used for driveways and vehicles
- Reads up to 25/30 Km/h
- Power supply: 24Vdc
- Dimensions: 30 x 30 x 2.54 cm
- Grey colour
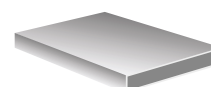
> TD-PROX Pass

> **ALIM2** Power supply for TDMAXIPROX **on request*

- Linear high efficiency battery charger power supply.
- Foldback output characteristic voltage/current
- To be used with TDMAXIPROX

> **TDUPASS** UHF lond range reader

- Long range reader for car parks access or free hands
- Working frequency 865-955 Mhz
- Distance up to 4 meters
- LED and sound indication
- IP65 outside casing
- Wiegand interface
- Consumption 12Vdc 1A, 24Vdc 0,5A (with linear power supply)

> TDUHFMP

> **VD9875840** TDUPASS mounting bracket
      *on request

> TDUHFEM

> **MTES** White card with code on magnetic band

- To be used with magnetic card readers
- Dimensions: 5.40 x 8.57 x 0.18 cm.
- ISO second trace

> **TDPROX125** Standard 125Khz proximity card not rewriteable

- White proximity card not rewritable
- To be used with card proximity readers
- Dimensions: 5.40 x 8.57 x 0.18 cm

> **TDPROX125RW** Standard 125Khz proximity card rewriteable

- White proximity card rewritable
- To be used with card proximity readers
- Dimensions: 5.40 x 8.57 x 0.18 cm

> **MTESPROX125RW** Standard 125Khz proximity *on request*
  and magnetic card rewriteable

- White card with code on magnetic band
- To be used with proximity readers
- Dimensions: 5.40 x 8.57 x 0.18 cm

> **TDPROX1356RW** Standard white proximity card rewriteable 13,56Mhz

- To be used with mirfare proximity readers
- Dimension 5.40 x 8.57 x 0.18

> **TDHID125** Standard white proximity card HID not rewriteable 125Khz

- White card not rewritable
- To be used with T-PROX POINT proximity readers
- Dimensions: 5.40 x 8.57 x 0.18 cm

> **TDPROXDES** Standard white desfire proximity card 13,56Mhz

- To be used with desfire proximity readers
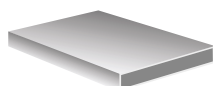- Dimension 5.40 x 8.57 x 0.18

Vehicle cards reading

> **TDUHFMP** UHF cards

• Suitable for antiremoval installation

> **TDUHFEM** UHF and 125Khz cards

• Credit card size ISO credential with integrated UHF and 125Khz

> **TD-Prox pass** Transponder for passive vehicle identification

• Unit with TMAXIPROX reader
• Battery life: up to 5 years
• The system must be combined with a FOX3 concentrator

> **TDCARDLOGO** Logo Printing

Proximity keys

> **TD PROX KEY 125** Proximity keys not rewriteable 125 Khz

> **TD PROX KEY 125 RW** Proximity keys rewriteable 125 Khz *on request

• To be used with proximity readers
• Mounted on a keyring
• Dimensions: 5.40 x 8.57 x 0.18 cm
• Minimum order: 10pc

Fitband

> **TDFITBANDRW** Proximity Fitband rewritable 125 Khz *on request

• To be used with proximity card reader 125KHz
• Dimension: L78 x W15 x T2,5 (Band) mm
• Color: Black
• Working frequency 125KHz

> **TDFITBANDRWM** Proximity Fitband rewritable 13,56 Khz *on request

• TDFITBANDRW same features but at 13.56 Mhz

> ## TELEPROG P Programming terminal
> ## for rewritable proximity cards *on request

Programming terminal for rewritable proximity cards PCard II RW model

> ## TDCARDS35 Thermo graphic colour card printer, only on one side printing

*on request

- Resolution: 300dpi
- Printing speed: 120/h full colour cards or 500/h monochromatic cards
- Card feeder up to 100 cards 0.76mm ISO
- Communication port: USB

> ## TDCARDS55 Thermographic colour card printer, front and back printing

*on request

- Resolution: 300dpi
- Printing speed: 115/h full colour cards or 300/h monochromatic cards
- Card feeder up to 100 cards 0.76mm ISO
- Card output up to 40 0.76mm
- Communication port: USB

Centralized terminal software

> ### SERCHIO Access software program

- Program created in WINDOWS XP/2003 environment to control up to 16 FOX1/FOX2 terminals
- Manages up to 1.600 cards with local or centralized time zone control
- Time zone, holiday management
- 8 user levels
- Photo card management
- Connection to peripheral readers via RS485
- Supplied with RS485 interface for PC or connection to switched lined in WINDOWS XP/2003 environment on local LAN network

Integrated terminal software

> ### SERCHIO 2000 Monitoring software
> ### for Mini Pulsar concentrator

- Windows environment program to monitor an integrated access control system
- Management of an unlimited number of Mini Pulsar concentrators and an unlimited number of access points
- Device management via TCP/IP protocol
- Creation and management of groups of concentrators and/or readers, up to 256 groups
- Customized time zone and zone management for each card.
- Up to 16 time zones and 16 week zones
- Each daily time zone can have up to 8 intervals
- Management of an 200.000 of cards
- Card programming individually or in groups
- Management of graphic maps.
- Quick access advanced database
- Photo card management
- Hierarchical and user level password system
- Operator commands and movement recording
- Manages up to 4 status modes per access point
- Identifying card
- Advanced event search option with multiple keys
- Statistics functions
- SDK available for integration with external systems
- Device firmware update
- Serchio 2000 software is also integrated with Winwatch system

> ### SERCHIO CLIENT Client license for SERCHIO

- Module for access control client work station system management
- Available on all versions of Serchio software
- Up to 10 client work stations can be used
- Same features as the master/server software

> ### SERCHIO 2000 CLIENT Client license
> ### for SERCHIO 2000

- Module for access control client work station system management
- Available on all versions of Serchio software
- Up to 10 client work stations can be used
- Same features as the master/server software

Point to point & point-multipoint converter

> MDM01 1200/2400 Baud modem for PC side switched lines to HAYES standard (V22,V22bis)

- PC side complete with metal case
- Power supply: 12Vdc
- Consumption: 12Vdc/ 60mA
- Weight: 120 g

>MDM02 19200 Baud V23 mode 2 modem for dedicated line

- Fitted inside the TELEDATA units
- Power supply: 12Vdc
- Allows control of up to 8 units in multidrop mode
- Weight: 120 g.
- Versions:
  >MDM02/2 with 2 wires up to 0.5 Km in standard V23 mode 2 1.200 Baud
  > MDM02/4 with 4 wires up to 5 Km low band up to 19,200 Baud

>MDM06 1200/2400 Baud modem for switched lines to HAYES standard (V22,V22bis)

- Back-UP circuit for SIRIUS/2000_PT/ARGO units
- Fitted inside the TELEDATA units
- Power supply: 5Vdc
- Consumption: 60mA
- Weight: 120gr

RS232/RS485 Converters

> C32/85 External interface converter

- RS 232C - RS 485 and RS 422 to control several multidrop units with galvanic insulation

> PT LAN Ethernet Adaptor

- Converter with 10 100 BASE T network interface
- Powered by the reader unit 5 Vdc

> TD403 Metal magnetic contact

- Surface mounting
- High mechanical strength
- Suitable for doors of any material
- Connect to the wire and loop wire
- Tamper

> TD1021N Magnetic contact for indoor and outdoor doors - IMQ level 2

- Triple magnetic flow
- Indoor or outdoor installation with terminal connections
- In profuse metal with white epoxy powder coating
- NC output reed contact with close magnet and removal protection section with reed and magnet

> TD462N Magnetic contact for indoor doors

- IMQ level 1
- Installation on all indoor doors, even iron versions
- Surface-mounted
- Terminal connections to the reed section with an ampoule hermetically encapsulated with polyurethane resin together with a tamper loop to reduce possibility of intrusion.

> BUTTONP Pushbutton manual emergency

- Mushroom pushbutton emergency ø 40 mm momentary
- This product includes the support base and contact element

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