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# ACCESS CONTROL

STAND ALONE & PC BASED SYSTEMS



 **VIDEX**<sup>®</sup>

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Our aim is to place Videx at the forefront of our chosen markets and to achieve significant market share through innovation, quality, service, competitive pricing and exceptional customer service.

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**KEY**

 STANDALONE	 CODIX PROTOCOL	 MIFARE
 NETWORK	 PROXIMITY	 BIOMETRIC
 VANDAL RESISTANT	 WIEGAND	 EXTERNAL USE

STAND ALONE RANGE

# SURFACE & FLUSH KEYPADS



## EX5

Feature	Detail
Relays	2 Relays (1 x 10A & 1 x 2A)
Master Code (programming)	1
User Codes	99
Programmable relay times	Latching or timed from 1 to 99 seconds
Exit button inputs	2
Memory	EEPROM (Keep programming safe even in case of power-cut)
Green LED	Potential Free
Red LED	Potential Free
Orange LED	Programming Status
Keypad lock out feature	For 30 seconds with beep noise after 8 consecutive incorrect codes
Buzzer	1
Antitamper	When Opened or Dismantled
Consumption	10mA in stand-by, 60mA in use
Power	Automatic power input selection 12/24V AC/DC
IP Rating	65
Codix Bus	3 wire bus (+/-/data) allowing the connection of up to 3 remote readers over a maximum distance of 50m
Codix remote reader options	Keypads (LCS, INOX, VKP) - Proximity (LCSP-EM/MF, MINI-C, VPROX2-C, MTPX-C)



Ref.	EX5-43B	EX5M-72C	EX5M-102A
Features	Surface ABS grey housing with back lit polycarbonate keys	Surface aluminium Grey/Matt Chrome housing with back lit metal keys	Flush stainless steel housing with back lit metal keys

# VANDAL RESISTANT, MINI & SLIMLINE KEYPADS



Small metal keypad with backlit metal keys

## MTPADS

Feature	Detail	Feature	Detail
<b>Mounting</b>	Surface	<b>Green LED</b>	Relay status
<b>Housing</b>	Moulded Aluminium	<b>Red LED</b>	Transistor status
<b>Keys</b>	Backlit Metallic	<b>Orange LED</b>	Programming status
<b>Resin potted electronics</b>	Yes (with 3m cable)	<b>Keypad lock out</b>	30sec with beep noise after 8 consecutive incorrect codes
<b>Relays</b>	1 Relay (2A) & 1 Transistor (250mA)	<b>Buzzer</b>	1
<b>Master Code (programming)</b>	1	<b>Antitamper</b>	When opened or dismantled
<b>User Codes</b>	99	<b>Consumption</b>	30mA in stand-by. Max 100mA
<b>Relay time</b>	Latching or timed from 1 to 99 seconds	<b>Power</b>	Automatic power select 12-24V DC; 15-24V AC
<b>Push to exit button input</b>	1	<b>IP Rating</b>	65
<b>Memory</b>	EEPROM (Keep programming safe even in case of power-cut)	<b>Dimensions (mm)</b>	92x51x25



Standalone slimline vandal resistant Keypads

## INOX99-C & VKP99

Feature	Detail	Feature	Detail
<b>Mounting</b>	Surface	<b>Red LED</b>	Transistor status
<b>Resin potted electronics</b>	Yes	<b>Orange LED</b>	Programming Status
<b>Relays</b>	1 Relay (2A) & 1 Transistor (250mA)	<b>Keypad lock out</b>	30sec with beep noise after 8 consecutive incorrect codes
<b>Master Code (programming):</b>	1	<b>Buzzer</b>	1
<b>User Codes</b>	99	<b>Antitamper</b>	When opened or dismantled
<b>Relay time</b>	Latching or timed from 1 to 99 seconds	<b>Consumption</b>	10mA in stand-by, 60mA in use
<b>Push to exit button input</b>	1 (for 2A relay)	<b>Power</b>	Automatic power input selection 12/24V AC/DC
<b>Memory</b>	EEPROM (Keep programming safe even in case of power-cut)	<b>Codix Bus</b>	3 wire bus (+/-/data) allowing the connection of up to 3 remote readers over a maximum distance of 50m
<b>Green LED</b>	Relay status	<b>Codix remote reader options</b>	Keypads (LCS, INOX, VKP) - Proximity (LCSP-EM/MF, MINI-C, VPROX2-C, MTPXS-C)



Ref.	INOX99-C	VKP99
<b>Features</b>	Moulded aluminium, Grey/Chrome Matt, Backlit Metallic Keys, IP 67, 149.5x50.5x48 (mm)	Moulded aluminium, Chrome Matt, Metallic Keys, IP 65, 116x86x22

# FLUSH SINGLE GANG KEYPADS




Small flush mount keypad with backlit metal keys

## DINPAD

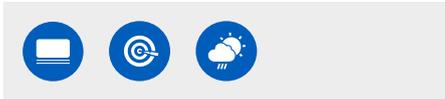
Feature	Detail	Feature	Detail
<b>Mounting</b>	UK electrical flush back box	<b>Red LED</b>	Transistor status
<b>Housing</b>	ABS	<b>Orange LED</b>	Programming Status
<b>Keys</b>	Backlit Metallic	<b>Keypad lock out</b>	For 30 seconds with beep after 8 consecutive incorrect codes
<b>Relays</b>	2 Relays (3A /24V DC, 230V AC)	<b>Buzzer</b>	1
<b>Master Code (programming)</b>	1	<b>Antitamper</b>	When Opened or Dismantled
<b>User Codes</b>	99	<b>Consumption</b>	Max. 120mA
<b>Relay time</b>	Latching or timed from 1 to 99 seconds	<b>Power</b>	Automatic power input selection 12-24V DC; 15-24V AC
<b>Exit Push Buttons</b>	1	<b>IP Rating</b>	40
<b>Memory</b>	EEPROM (Keep programming safe even in case of power-cut)	<b>Dimensions (mm)</b>	85x85x11
<b>Green LED</b>	Relay status		

## COMPLETE KEYPADS WITH HOUSING



Ref.	DINPADS	DINPADW	DINPADC
<b>Features</b>	Silver frame	White frame	Charcoal frame

# STAND ALONE PROXIMITY READER

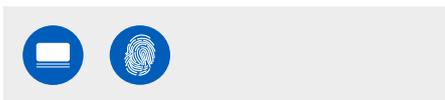


## MINI-SA2

Feature	Detail	Feature	Detail
<b>Mounting</b>	Surface	<b>Power</b>	12-24V DC; 15-24V AC
<b>Housing</b>	ABS	<b>Programming</b>	1 Master, 1 Delete card, shadow cards, each user or group of users must have their own delete (shadow) card
<b>Colour</b>	Black	<b>Antitamper</b>	When opened or dismantled
<b>Proximity reader type</b>	Reads EM 4100 (125 KHz) compatible tags, cards, key fobs	<b>IP Rating</b>	IP66
<b>User Tags</b>	4000 Users (cards)	<b>Exit button</b>	Yes
<b>Relays</b>	1 Relay: 1 A/30 VDC, 0.5 A/125 VAC	<b>Dimensions (mm):</b>	90x51x17
<b>Fob read distance:</b>	up to 5 cm read range		

# STAND ALONE BIOMETRIC READERS & KITS

SURFACE & FLUSH SWIPE FINGER PRINT READER ACCESS CONTROL FOR UP TO 100 TEMPLATES. INCLUDES ONE RELAY OUTPUT & AN EXIT BUTTON INPUT. REQUIRES A 12VDC POWER SUPPLY.



## VX-B100-SA-KIT & VX-DINB100-SA-KIT



Ref.	B100S-SA	DINB100S-SA	VX-DINB100-SA-KIT	VX-B100S-SA-KIT
<b>Features</b>	Flush finger print reader with integrated relay and exit button input. IP40 rated reader.	Surface finger print reader with integrated relay and exit button input. IP65 rated reader.	Flush finger print access control kit with reader and touch to exit button. Touch to exit button also includes a remote relay for higher security applications. IP40 rated reader and exit button.	Surface finger print access control kit with reader and touch to exit button. Touch to exit button also includes a remote relay for higher security applications. IP65 rated reader and exit button.

# STAND ALONE PROXIMITY CONTROLLERS



## S-PROX CONTROLLER SC24000

Feature	Detail	Feature	Detail
Controller type	Standalone	Exit Button Input	2 push button
Communication	Auto detect Wiegand 26 / Wiegand 34	Door Contacts	2
Max number of doors per system	2	Tamper-proof protection	No
Mounting	Surface	Programming and System Management	With master/delete cards for proximity readers or codes for keypads
Housing	Optional DIN/wall mount box included	Compatible with keypads and proximity Readers	Yes
Colour	Grey	Compatible with Biometric Readers	No
Number of Readers	2	Events Reports	No
Number of Users	4000 users (cards)	Power Supply	8 to 15V DC
Internal Memory	Eeprom	Dimensions (mm)	102x86 (PCB dimensions)
Relays	4		



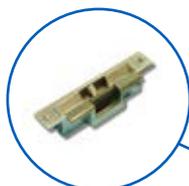
A two entrance proximity access control system for up to 4000 users. Utilising shadow cards for easy user management and incorporating advanced features such as anti passback, door forced and door left open alarms

### Inside secured area

2 Door controller

Garage Door Exit

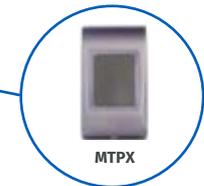
Garage Door left open alarm



Door Lock



Front door prox. reader and exit button



Garage door prox. reader  
*Outside unsecured area*

PORTAL PLUS  
PC BASED SYSTEM

# PROGRAMMING & MANAGEMENT SOFTWARE: PROS CS

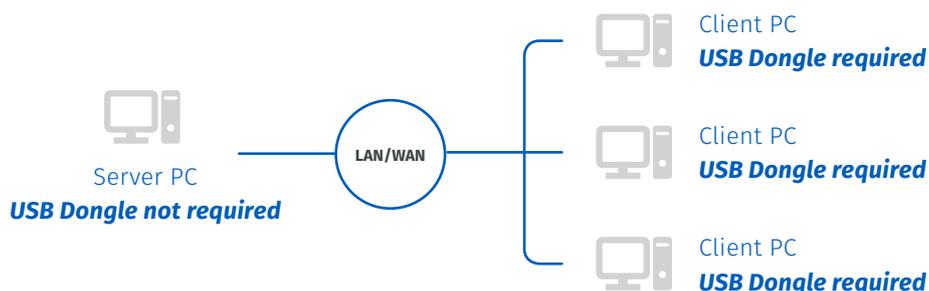


## PROS CS: FEATURES OF THE SOFTWARE

Feature	Detail	Feature	Detail
<b>Compatible with</b>	Windows 8, Windows 7, Windows Vista, Windows server 2008, Windows server 2003, Windows XP SP3, Windows 10	<b>Number of Time Zones</b>	24 per EWS, unlimited per system
<b>Maximum number of controllers EWS &amp; EWSi</b>	Unlimited	<b>Number of Departments</b>	Unlimited
<b>Maximum number of doors</b>	Unlimited	<b>Number of Holidays</b>	32 per EWS
<b>Maximum number of sites</b>	Unlimited	<b>Easy Programming</b>	A scanning feature enables all controllers and biometric readers on one or several communication portals to be found
<b>Maximum number of Clients</b>	Unlimited	<b>Reports</b>	Preset and Configurable, export to PDF, XLS, CSV, XML, HTML, TXT, RTF
<b>Database</b>	SQL or Access	<b>Send reports by mail</b>	Yes
<b>Anti-passback</b>	Yes; Timed APB; APB per User	<b>Events visualisation</b>	Chronological order
<b>Mantrap Function</b>	Yes	<b>Biometric Readers</b>	Biometric reader programming and users fingerprint management integrated into software
<b>Door Open by multiple cards</b>	1 to 8 cards	<b>T&amp;A calculation</b>	Yes
<b>Activation of several relays from one reader</b>	Yes	<b>Web report server</b>	Yes
<b>Remote Relay activation</b>	Any relay	<b>Automatic evacuation printing</b>	Yes
<b>Reader Wiegand Protocol</b>	26, 34 Bit or customized Wiegand can be mixed in the same systems or EWS	<b>Multilanguage</b>	EN, FR, NL, DE, ES, IT, PT, PL, CZ
<b>Number of access levels</b>	Unlimited		

## THERE ARE THREE PARTS TO THE PROS CS PROGRAM

PROS CS - SERVER	PROS CS - CLIENT	PROS CS - WEBSERVER
This would be installed on one PC along with the client program which would connect to the Portal Plus hardware either via a network connection or through an RS485 bus to USB. The server software is free, a USB dongle is not required for the software installed on the server	The client can be installed on a number of PC's either local to the server or remotely via the internet. A USB dongle is required for each client. The client environment looks and feels like the PROS CS software allowing all features to be controlled. Client access levels can be setup to restrict users from the particular features if required	The webservice is optional and enables users to view and generate reports from a standard web browser. A useful feature of this is the ability to allow each user the facility to view their own reports while allowing operators to view reports of all users



# 2 DOOR CONTROLLERS








2 Doors controller with optional TCP/IP port, door contacts, exit button inputs and free I/O

## EWSi

Feature	Detail	Feature	Detail
Controller type	Network	Programmable Relays	2 (2 x 10A)
Communication	NATIVE TCP/IP + RS485	Programmable Inputs	2 (Opto paired)
Max number of controllers per installation	Unlimited	Exit Button Input	2 (1 per door)
Max number of doors per system	Unlimited	Door Contacts	2 (1 per door)
Number of Wiegand Readers (8 to 128 bits)	2 (1 with APB)	Controller Updates	RS485 bus or TCP/IP network
Number of Users	15000 Max	Biometric Readers	Biometric readers use the controllers communication buses (RS485 or IP)
Number of Events	30000 Max	Addressing	Every single controller has a unique address
Number of Time Zones	24	Status LEDs	16
Number of Users Groups	Unlimited	Power Supply	12 VDC
Number of Bank Holidays	32	Programming & System Management	Free Windows Software "PROS"
Internal Memory	Yes, with time and date back-up by Lithium CR2032 battery	Dimensions (mm)	152x85x27
Door relays	2 (2 x 10A)		









## PPCU2

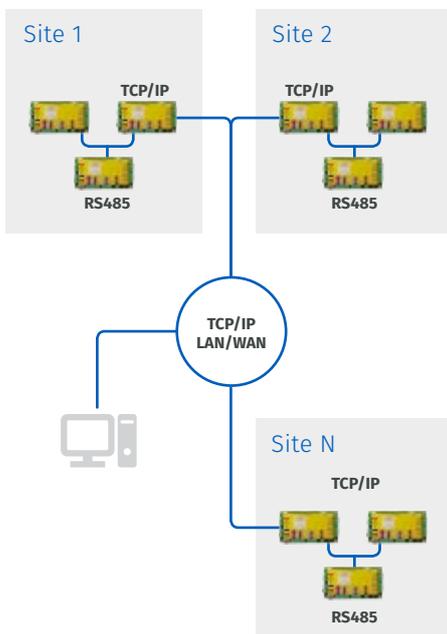
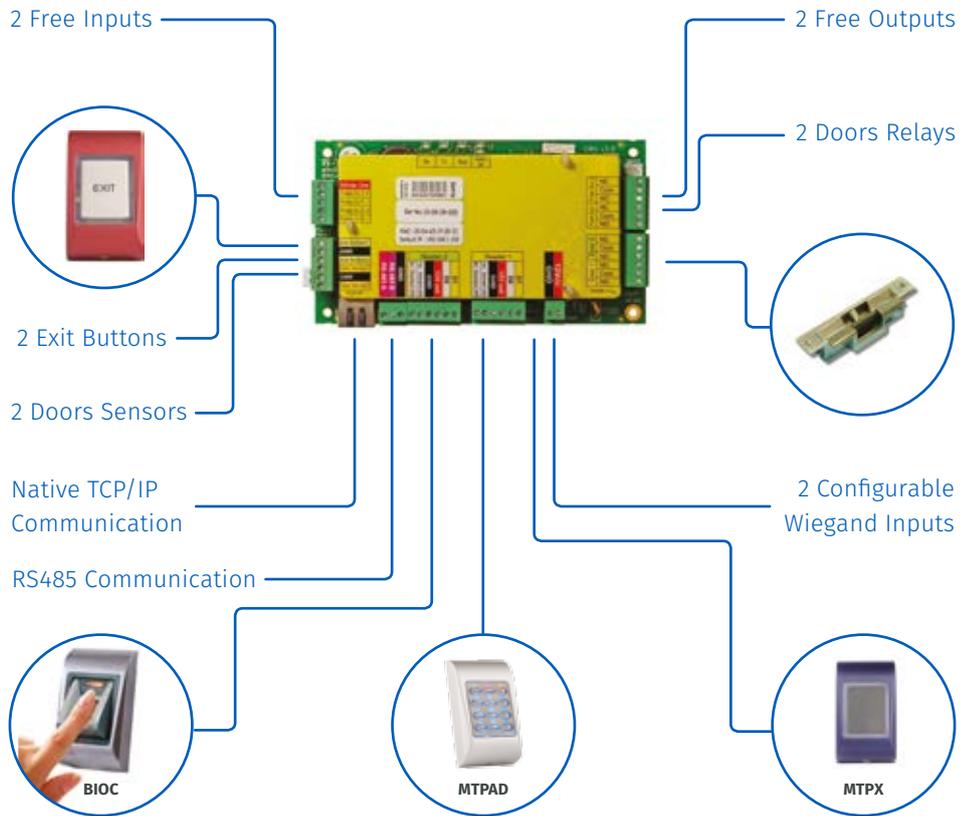
Ref.	PPCU2
Features	As per EWSi with TCP/IP & RS485 communication. Supplied in a metal lockable box (266x360x75) complete with 3.5A 13.8Vdc power supply with 3 fused outputs and battery backup facility (Battery not included) Recommended battery: 12V 7aH

# 2 DOOR CONTROLLER RS485 & TCP/IP BLOCK DIAGRAM

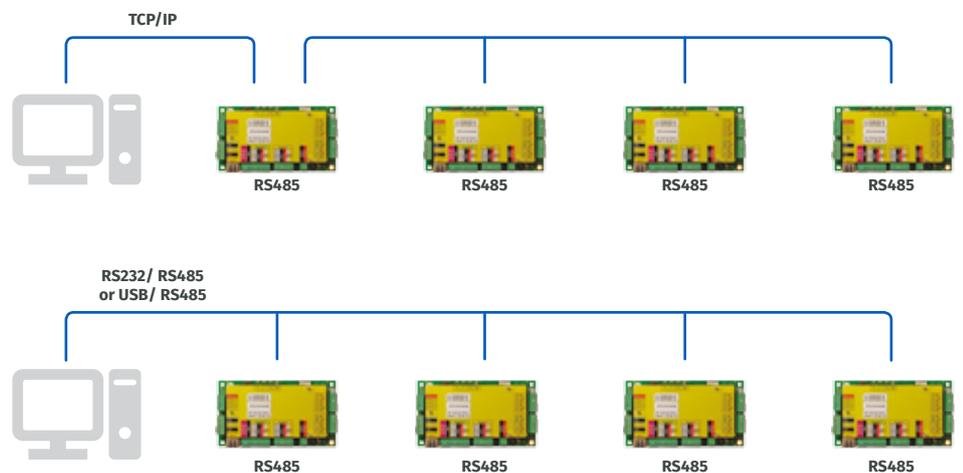


- Up to 15.000 Users
- Up to 30.000 Events per controller, unlimited per system
- TCP/IP built in
- Programmable (Bitwise) Wiegand Interface (8 to 128 bit)
- Anti passback, timed anti passback and mantrap

## EWSi



## EWSi NETWORK



# MINI FLUSH SINGLE GANG READERS



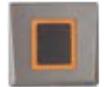
## DINPAD-M

Feature	Detail	Feature	Detail
<b>Mounting</b>	UK electrical flush back box	<b>Antitamper protection</b>	When opened or dismantled
<b>Housing</b>	ABS	<b>Wiring</b>	Terminal block
<b>Keys</b>	Backlit Metallic	<b>Consumption</b>	Max. 70 mA
<b>Communication Protocols</b>	Compatible with WIEGAND 26, 30, 34, 40bit, Clock & Data or Codix	<b>Power Supply</b>	12V DC
<b>Slave devices</b>	DINMTPX-M, DINMTPX-MF	<b>Illumination</b>	Blue backlight (Programmable on/off control)
<b>Green LED</b>	Free tension	<b>Operating Temperature</b>	-20°C to +50°C
<b>Red LED</b>	Free tension	<b>IP Rating</b>	40
<b>Orange LED</b>	Programming Status	<b>Dimensions (mm)</b>	85x85x11
<b>Buzzer</b>	1		

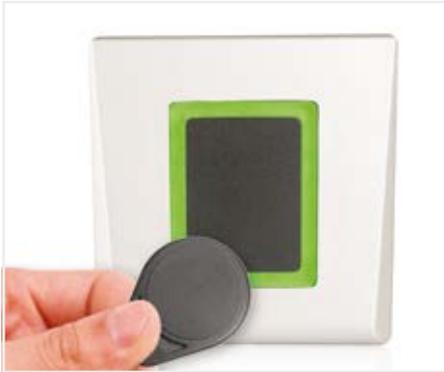


## DINMTPX-M

Feature	Detail	Feature	Detail
<b>Mounting</b>	UK electrical flush back box	<b>Red LED</b>	Potential Free
<b>Housing</b>	ABS	<b>Orange LED</b>	Communication status
<b>Communication Protocols</b>	Wiegand 26 or 34 bits (jumper selection)	<b>Antitamper Protection</b>	When opened or dismantled
<b>Proximity reading type</b>	EM4100	<b>Buzzer</b>	1
<b>Reading distance</b>	4-7cm	<b>Consumption</b>	Max. 45mA
<b>Wiring</b>	Terminal block	<b>IP Rating</b>	40
<b>Power Supply</b>	9-14V DC	<b>Operating Temperature</b>	-20°C to +50°C
<b>Green LED</b>	Potential Free	<b>Dimensions (mm)</b>	85x85x11



Ref.	DINPADS-M	DINPADW-M	DINPADC-M	DINMTPXS-M	DINMTPXW-M	DINMTPXC-M
<b>Features</b>	Silver frame	White frame	Charcoal frame	Silver frame	White frame	Charcoal frame



### DINMTPX-MF

Feature	Detail	Feature	Detail
<b>Mounting</b>	UK Electrical flush back box	<b>Red LED</b>	Potential Free
<b>Housing</b>	ABS	<b>Orange LED</b>	Communication status
<b>Communication Protocols</b>	Wiegand 26 or 34 bits (jumper selection)	<b>Antitamper Protection</b>	When opened or dismantled
<b>Proximity reading type</b>	Mifare Classic, Mifare Ultralight, Mifare Desfire (13, 56MHz)	<b>Buzzer</b>	1
<b>Reading distance</b>	1-6cm	<b>Consumption</b>	Max. 150mA
<b>Wiring</b>	Terminal block	<b>IP Rating</b>	40
<b>Power Supply</b>	9-14V DC	<b>Operating Temperature</b>	-20°C to +50°C
<b>Green LED</b>	Potential Free	<b>Dimensions (mm)</b>	85x85x11



### DINBIOC

Feature	Detail	Feature	Detail
<b>Mounting</b>	UK Electrical flush back box	<b>Wiring</b>	Terminal block
<b>Housing</b>	ABS	<b>Power supply</b>	12Vdc
<b>Communication Protocols</b>	Wiegand & RS284	<b>IP rating</b>	40
<b>Type of biometric sensor</b>	Capacitance touch	<b>Operating temperature</b>	0°C to +40°C
<b>Identification</b>	< 1 Second	<b>Dimensions (mm)</b>	85x85x11
<b>Fingerprints stored</b>	9500		



Ref.	DINMTPXS-MF	DINMTPXW-MF	DINMTPXC-MF	DINBIOCS	DINBIOCW	DINBIOCC
<b>Features</b>	Silver frame	White frame	Charcoal frame	Silver frame	White frame	Charcoal frame



### DINB100

Feature	Detail	Feature	Detail
Mounting	UK electrical flush back box	Fingerprints stored	100
Housing	ABS	Power supply	12Vdc
Communication protocols	Wiegand & RS284	IP rating	40
Type of biometric sensor	Capacitance swipe	Operating temperature	0°C to +40°C
Identification	< 1 Second	Dimensions (mm)	85x85x11



Ref.	DINB100S	DINB100W	DINB100C
Features	Silver frame	White frame	Charcoal frame

## VANDAL RESISTANT MINI KEYPAD



### MTPADS-M

Feature	Detail	Feature	Detail
Mounting	Surface	Buzzer	1
Housing	Moulded Aluminium	Antitamper protection	When opened or dismantled
Keys	Backlit Metallic	Consumption	45mA
Resin potted electronic	Yes (with 3m cable)	Power	12V DC
Communication Protocols	Compatible with Wiegand 26, 30, 34, 40bit, Clock & Data or Codix	Illumination	Blue backlight (Programmable on/off control)
Green LED	Free tension	IP Rating	65
Red LED	Free tension	Operating Temperature	-20°C to +50°
Orange LED	Programming Status	Dimensions (mm)	92x51x25

# MINI FLUSH DOUBLE GANG READERS



## VERTICAL & HORIZONTAL DOUBLE FRAMES AVAILABLE IN 3 COLOURS

Available in silver (DINFPV2S/DINFPH2S), charcoal (DINFPV2SC/DINFPH2SC) and white (DINFPV2SW/DINFPH2SW)



## CREATE YOUR OWN COMBINATION OF HOUSING & ELECTRONICS (Available in 3 colours)

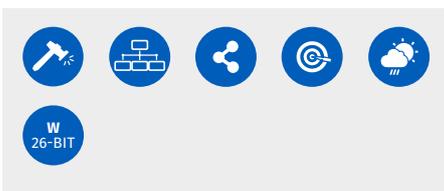


Ref.	DINPADM-E	DINMTPXM-E	DINMTPXMF-E	DINBIOC-E	DINB100-E	DINFPV2S DINFPH2S	DINFPV2C DINFPH2C	DINFPV2W DINFPH2W
<b>Features</b>	Electronics of the flush mount DINPAD-M with backlit metallic keys	Electronics of the flush mount DINMTPX-M	Electronics of the flush mount DINMTPX-MF	Electronics for finger print reader (9500 templates)	Electronics for finger print reader (100 templates)	Silver	Charcoal	White
<b>Dim. (mm)</b>	-	-	-	-	-	80x151x9		



## PADPROXS-EM

Feature	Detail	Feature	Detail
<b>Mounting</b>	Surface Mount	<b>Wiring</b>	3m cable
<b>Housing</b>	Moulded Aluminium	<b>Power Supply</b>	12V DC
<b>Technology</b>	Proximity(125 KHz, EM) and Keypad	<b>Green LED</b>	Externally Controlled
<b>Communication Protocols</b>	Wiegand 26, 30, 34, 40 bits, Clock & Data, Codix	<b>Red LED</b>	Externally Controlled
<b>Protocol Programming</b>	From the keypad	<b>Orange LED</b>	Programming Status
<b>Authentication</b>	Card, PIN Code, Card or/and PIN Code	<b>Buzzer</b>	With intensity (programming)
<b>Resin potted electronic</b>	Yes	<b>Consumption</b>	100mA Max
<b>PIN Code Length</b>	1 to 8 digits	<b>IP Rating</b>	65
<b>Proximity reading type</b>	EM 4002, EM 4100	<b>Operating Temperature</b>	-20°C to +50°C
<b>Reading distance</b>	2- 5cm	<b>Dimensions (mm)</b>	100x94x30



Stylish network reader with double technology & Wiegand output

# EM PROXIMITY READERS



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- 
- 
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**W 26-BIT**

Small metal proximity readers with large rectangle shaped status LED

## MTPX-M

Feature	Detail	Feature	Detail
<b>Mounting</b>	Surface Mount	<b>Green LED</b>	Potential Free
<b>Housing</b>	Moulded Aluminium	<b>Red LED</b>	Potential Free
<b>Resin potted electronic</b>	Yes	<b>Orange LED</b>	Communication status
<b>Communication Protocols</b>	Wiegand 26 to 40 bits, Data/Clock, Codix (Supplied by defaults in 26 Bits Wiegand)	<b>Antitamper Protection</b>	When opened or dismantled
<b>Protocol Programming</b>	By MultiPro Programmer	<b>Buzzer</b>	1
<b>Proximity reading type</b>	EM4100 (125 KHz)	<b>Consumption</b>	30mA
<b>Reading distance</b>	2-5cm	<b>IP Rating</b>	65
<b>Wiring</b>	3m cable	<b>Operating Temperature</b>	-20°C to +50°C
<b>Power Supply</b>	8 to 14V DC	<b>Dimensions (mm)</b>	92x51x25



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- 

**W 26-BIT**

MINI-M is a small proximity reader in ABS, VPROX2-M is a vandal resistant proximity reader

## MINI-M & VPROX2-M

Feature	Detail	Feature	Detail
<b>Mounting</b>	Surface Mount	<b>Power Supply</b>	9 to 12V DC
<b>Resin potted electronic</b>	Yes	<b>Green LED</b>	Potential Free
<b>Communication Protocols</b>	Wiegand 26 to 40 bits, Data/Clock, Codix (Supplied by defaults in 26 Bits Wiegand)	<b>Red LED</b>	Potential Free
<b>Protocol Programming</b>	By MultiPro Programmer	<b>Orange LED</b>	Communication status
<b>Proximity reading type</b>	EM4100 (125 KHz)	<b>Buzzer</b>	1
<b>Reading distance</b>	6-12 cm (MINI-M) 3-6 cm (VPROX2-M)	<b>Consumption</b>	20mA in stand-by, 35mA Max
<b>Wiring</b>	3m cable	<b>Operating Temperature</b>	-20°C to +50°C



Ref.	MINI-M	VPROX2-M
<b>Features</b>	ABS, Black, IP 66, 116x86x22	Moulded aluminium, Chrome Matt, IP 65, 116x86x22



  
 Vandal resistant proximity reader

### XPROX (PANEL MOUNT READER)

Feature	Detail	Feature	Detail
<b>Mounting</b>	Panel mount (40mm square cut out, fixings at 49mm square)	<b>Green LED</b>	Free tension
<b>Resin potted electronic</b>	Yes	<b>Red LED</b>	Free tension
<b>Communication Protocols</b>	Protocols: Wiegand 26 to 40 bits, Data/Clock, Codix (Supplied by defaults in 26 Bits Wiegand)	<b>Orange LED</b>	Communication status
<b>Protocol Programming</b>	By MultiPro Programmer	<b>Buzzer</b>	Yes
<b>Proximity reading type</b>	EM4100 (125 KHz)	<b>Consumption</b>	30mA
<b>Reading distance</b>	8-10cm	<b>Operating Temperature</b>	-20°C to +50°C
<b>Wiring</b>	Terminal block	<b>Protection</b>	IP65
<b>Power Supply</b>	12V DC		

## MIFARE PROXIMITY READERS



  
 Small metal proximity MIFARE readers with large rectangle shaped status LED

### MTPX-MF-W26 & MTPX-MF-W34

Feature	Detail	Feature	Detail
<b>Mounting</b>	Surface Mount	<b>Green LED</b>	Free tension
<b>Housing</b>	Moulded Aluminium	<b>Red LED</b>	Free tension
<b>Resin potted electronic</b>	Yes	<b>Orange LED</b>	Communication status
<b>Communication Protocols</b>	Wiegand 26 bits (MTPX-MF-W26) or Wiegand 34 bits (MTPX-MF-W34)	<b>Anti-tamper Protection</b>	When opened or dismantled
<b>Protocol Programming</b>	No	<b>Buzzer</b>	1
<b>Proximity reading type</b>	Mifare Classic CSN, Mifare Ultralight, Mifare Desfire (13,56MHz)	<b>Consumption</b>	110mA Max
<b>Reading distance</b>	Cards 1-3cm, Fobs 1-2cm	<b>IP Rating</b>	65
<b>Wiring</b>	1.5m cable	<b>Operating Temperature</b>	-20°C to +50°C
<b>Power Supply</b>	8 to 14V DC	<b>Dimensions (mm)</b>	92x51x25

# BIOMETRIC READERS & BIOMANAGER SOFTWARE



## BIOCS

Feature	Detail	Feature	Detail
<b>Mounting</b>	Surface Mount	<b>Power Supply</b>	12V DC
<b>Housing</b>	Moulded Aluminium	<b>Green LED</b>	Externally controlled
<b>Technology</b>	Biometry	<b>Red LED</b>	Externally controlled
<b>Communication Protocols</b>	Wiegand 8 to 128 Bits (default: Wiegand 26bit)	<b>Orange LED</b>	Communication Status
<b>Protocol Programming</b>	By PROS software (EWS system) & BIOMANAGER (All Access Control Systems)	<b>Buzzer</b>	With intensity (programming)
<b>Type of biometric sensor</b>	Capacitive	<b>Consumption</b>	200mA Max
<b>Identification</b>	<1sec	<b>IP Rating</b>	54 (internal use only)
<b>Fingerprint Enrolment</b>	On the reader or from the enrolment desktop reader USB BIOE (Software PROS CS or BIOMANAGER)	<b>Operating Temperature</b>	0°C to +40°C
<b>Fingerprints stored</b>	9500	<b>Dimensions (mm)</b>	92x51x25
<b>Wiring</b>	Terminal Blocks		



Stylish network biometry readers with large rectangle shaped status LED and Wiegand output  
**For external use, we recommend the BIOPAD-M or the BIOPROX-EM dual technology readers.**



## B100S

Feature	Detail	Feature	Detail
<b>Mounting</b>	Surface mount	<b>Fingerprints stored</b>	100
<b>Housing</b>	Moulded aluminium	<b>Power supply</b>	12Vdc
<b>Communication protocols</b>	Wiegand & RS284	<b>IP rating</b>	54
<b>Type of biometric sensor</b>	Capacitance swipe	<b>Operating temperature</b>	0°C to +40°C
<b>Identification</b>	< 1 Second	<b>Dimensions (mm)</b>	92x51x25



## BIOMANAGER SOFTWARE

Fingerprint and Code Management Software for Biometric Readers when used with third party access control systems. Fingerprint enrolment from any networked biometric reader or from USB desktop enrolment unit BIOE. The fingerprints could be sent to one or all biometric readers in the Network. *Compatible with Windows XP, Windows vista, Windows server 2008, Windows7, Windows8 and Windows10*



# MINI DOUBLE TECHNOLOGY







Stylish network reader with double technology and Wiegand output

## BIOPADS-M

Feature	Detail	Feature	Detail
<b>Mounting</b>	Surface Mount	<b>Fingerprints number stored</b>	9500
<b>Housing</b>	Moulded Aluminium	<b>Wiring</b>	3m cable
<b>Technology</b>	Biometry & keypad	<b>Power Supply</b>	12V DC
<b>Communication Protocols</b>	Wiegand 8 to 128 Bits (default: Wiegand 26bit)	<b>Green LED</b>	Externally Controlled
<b>Protocol Programming</b>	By PROS software (EWS system) & BIOMANAGER (All Access Control Systems)	<b>Red LED</b>	Externally Controlled
<b>Authentication</b>	Finger, PIN Code, Finger or/and PIN Code	<b>Orange LED</b>	Programming Status
<b>Resin potted electronic</b>	Yes	<b>Buzzer</b>	With intensity (programming)
<b>PIN Code Length</b>	1 to 8 digits	<b>Consumption</b>	130mA Max
<b>Type of biometric sensor</b>	Capacitive	<b>IP Rating</b>	65
<b>Identification</b>	<1sec	<b>Operating Temperature</b>	-15°C to +50°C
<b>Fingerprint Enrolment</b>	On the reader or from the enrolment desktop reader USB BIOE (Software PROS CS or BIOMANAGER)	<b>Dimensions (mm)</b>	100x94x30









Stylish network reader with double technology and Wiegand output

## BIOPROXS-EM

Feature	Detail	Feature	Detail
<b>Mounting</b>	Surface Mount	<b>Fingerprints number stored</b>	9500
<b>Housing</b>	Moulded Aluminium	<b>Wiring</b>	3m cable
<b>Technology</b>	Biometry and Proximity (125 KHz, EM)	<b>Power Supply</b>	12V DC
<b>Communication Protocols</b>	Wiegand 1 to 128 Bits (default: Wiegand 26bit)	<b>Green LED</b>	Externally Controlled
<b>Protocol Programming</b>	By PROS software (EWS system) & BIOMANAGER (All Access Control Systems)	<b>Red LED</b>	Externally Controlled
<b>Authentication</b>	Finger, Card, Finger or/and Card	<b>Orange LED</b>	Programming Status
<b>Resin potted electronic</b>	Yes	<b>Buzzer</b>	With intensity (programming)
<b>Proximity reading type</b>	EM 4002, EM 4100	<b>Consumption</b>	120mA Max
<b>Reading distance</b>	2-5cm	<b>IP Rating</b>	65
<b>Type of biometric sensor</b>	Capacitive	<b>Operating Temperature</b>	-15°C to +50°C
<b>Identification</b>	<1sec	<b>Dimensions (mm)</b>	100x94x30
<b>Fingerprint Enrolment:</b>	On the reader or from the enrolment desktop reader USB BIOE (Software PROS CS or BIOMANAGER)		

# ACCESSORIES

# TOUCH SENSITIVE PUSH BUTTONS



Stylish and aesthetic touch sensitive push button

## DINMTT-EXIT

Feature	Detail	Feature	Detail
<b>Mounting</b>	DIN Flush mount	<b>Visual and Sound Signals</b>	Complete button lighting & Buzzer
<b>Housing</b>	ABS	<b>Wiring</b>	Terminal block
<b>Technology</b>	Touch sensitive	<b>Power Supply</b>	12-24V DC; 15-24V AC
<b>Backlighting</b>	Green (Door Opened) Red (Door Closed)	<b>Consumption</b>	Max 65mA
<b>Exit</b>	Relay 1A (NO/C/NC)	<b>Operating Temperature</b>	-20°C to +50°C
<b>Relay output</b>	2A at 24 DC / 120V AC		



Ref.	DINMTTS	DINMTTW	DINMTTC	MTTS-EXIT	MTTW-EXIT	MTTC-EXIT
<b>Features</b>	Silver frame	White frame	Charcoal frame	Silver frame	White frame	Charcoal frame



Stylish and aesthetic touch sensitive push button

## MTT-EXIT

Feature	Detail	Feature	Detail
<b>Mounting</b>	Surface Mounted	<b>Relay output</b>	2A at 24 DC / 120V AC
<b>Housing</b>	Moulded Aluminium & Front plate in stainless steel	<b>Visual and Sound Signals</b>	Complete button lighting & Buzzer
<b>Resin potted electronic</b>	Yes	<b>Wiring</b>	3m cable
<b>Technology</b>	Touch Sensitive	<b>Power Supply</b>	12-24V DC; 15-24V AC
<b>Backlighting</b>	Green (Door Opened) Red (Door Closed)	<b>Consumption</b>	Min 45mA, Max 80mA
<b>Exit</b>	Relay 1A (NO/C/NC)	<b>Operating Temperature</b>	-20°C to +50°C

# ALL OTHER ACCESSORIES



Protection Cover for Mini Metal range readers

## MC-MINI & MCD-MINI



Ref.	MC-MINI	MCD-MINI
Features	Protection cover for BIOG, MTPAD, MTT and MTPX Stainless Steel	Protection cover for BIOG, MTPAD, MTT and MTPX Stainless Steel



For the easy enrolment of your proximity cards or fingerprints

## USB DESKTOP READERS



Ref.	PROX-USB	BIOPROX-USB	B100PROX-USB
Features	USB proximity enrolment reader for EM, Mifare and HID cards and fobs	USB finger print enrolment reader for 9500 template readers. Also includes a proximity enrolment reader for EM, Mifare and HID cards and fobs	USB finger print enrolment reader for 100 template readers. Also includes a proximity enrolment reader for EM, Mifare and HID cards and fobs



### EM FOBS & CARDS

				
<b>Ref.</b>	<b>PBX-1E</b>	<b>PBX-1C</b>	<b>PBX-2</b>	<b>PBX-2C</b>
<b>Features</b>	ABS Keyfob EM4100	Leather Keyfob EM4100	0,75mm ISO Card - EM4100	2mm NISO Card - EM4100

### MIFARE ULTRALIGHT FOBS & CARDS

			
<b>Ref.</b>	<b>PBX-1E-MU</b>	<b>PBX-2-MU</b>	<b>PBX-2C-MU</b>
<b>Features</b>	ABS Keyfob Mifare	0,75mm ISO Card - Mifare	2mm NISO Card - Mifare

### MIFARE S50 FOBS & CARDS

			
<b>Ref.</b>	<b>PBX-1E-MS50</b>	<b>PBX-2-MS50</b>	<b>PBX-2C-MS50</b>
<b>Features</b>	ABS Keyfob Mifare (2K)	0,75mm ISO Card - Mifare (2K)	2mm NISO Card - Mifare (2K)



### 481 CONVERTER

<b>Ref.</b>	<b>481</b>
<b>Features</b>	To USB converter RS232/RS485

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