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| | | |
| **BAREBONE DVRS** | | |
| | BB-7395-RACK | **RACKMOUNT 4U** PENTIUM D **2.8GHZ DUALCORE,2 GIG RAM, 80 GIG HD** 450W PSU, **XPPRO SP2**, MSI P35NEO3-F,**1333FSB,DDRII 800,**ATX,**GIG LAN, X6 SATA II HD SLOTS**,X4 PCI X1 PCI EXPRESS, DVD/WR,KEYBOARD, MOUSE. INCLUDED.(**NO SCREEN INCLUDED**) 1 YEAR CARRY IN WARRANTY |
| | BB-7395-TOWER | **ATX TOWER** PENTIUM D **2.8GHZ DUALCORE,**1 **GIG RAM, 80 GIG HD 350W** PSU, **XPPRO SP2**, MSI P35NEO3-F,**1333FSB,DDRII 800,**ATX,**GIG LAN, X6 SATA II HD SLOTS**, X4 PCI X1 PCI EXPRESS, DVD/WR,KEYBOARD, MOUSE. INCLUDED.(**NO SCREEN INCLUDED**) 1 YEAR CARRY IN WARRANTY |
| | BB-7267-TOWER | **ATX TOWER** PENTIUM D **2.8GHZ DUALCORE,**1 **GIG RAM, 80 GIG HD 350W** PSU, **XPPRO SP2**, MSI 945GC,VGA,LAN ,SND X1PCI-E X2 PCI  DVD/WR,KEYBOARD, MOUSE. INCLUDED.(**NO SCREEN INCLUDED**) 1 YEAR CARRY IN WARRANTY |
| | BB-7267-TOWERCEL | **ATX TOWER INTEL** CELERON 3.06GHZ,1 **GIG RAM, 80 GIG HD 350W** PSU, **XPPRO SP2**, MSI 945GC,VGA,LAN ,SND X1PCI-E X2 PCI  DVD/WR,KEYBOARD, MOUSE. INCLUDED.(**NO SCREEN INCLUDED**) 1 YEAR CARRY IN WARRANTY |
| | | |
| | **ON SITE WARRANTY AVAILABLE @ 10% OF TOTAL PRICE OF COMPLETE DVR PER ANNUM UP TO 2 YEARS** | |
| | | |
| **INET CAPTURE KITS** | | |
| | 0430 | 4 CHANNEL INET DVR CARD 25 FPS (PAL), With 1Ch Audio, 4 Alarm Input and Output, 1 Monitor Output. POS compatible - Includes software |
| | 4120 | 4 CHANNEL INET DVR CARD 100 FPS (PAL) ,With 4Ch Audio, 4 Alarm Input and Output, 1 Monitor Output. POS compatible - Includes software |
| | 16120 | 16 CHANNEL INET DVR CARD 100 FPS (PAL), With 4Ch Audio, 16 Alarm Input and Outputs, 1 Monitor Output. POS compatible - Includes software |
| | 16240 | 16 CHANNEL INET DVR CARD 200 FPS (PAL),With 8Ch Audio,  16 Alarm Input and Outputs, 1 Monitor Output. POS compatible - Includes software |
| | 16480R | 16 CHANNEL INET DVR CARD 400 FPS (PAL),With 16Ch  Audio, 16 Alarm Input and Outputs, 1 Monitor Output. POS compatible - Includes software |
| | RG59-PIGTAIL | 8 input video Pigtail |
| **HIKVISION CAPTURE / MATRIX  KITS** | | |
| | DS-4004HCI | 4 CHANNEL HIKVISION CAPTURE CARD 100 FPS (PAL), HARDWARE H264 ADVANCED COMPRESSION, 4 AUDIO - Includes software |
| | DS-4008HCI | 8 CHANNEL HIKVISION CAPTURE CARD 200 FPS (PAL), HARDWARE H264 ADVANCED COMPRESSION, 8 AUDIO - Includes software |
| | DS-4016HCI | 16 CHANNEL HIKVISION CAPTURE CARD 400 FPS (PAL), HARDWARE H264 ADVANCED COMPRESSION, 16 AUDIO - Includes software |
| | DS-4002MDI | 2 OUTPUT HIKVISION MATRIX DECODE CARD (VIDEO AND AUDIO) - COMPOSITE VIDEO THROUGH BNC CONNECTOR |
| | DS-4004MDI | 4 OUTPUT HIKVISION MATRIX DECODE CARD (VIDEO AND AUDIO) - COMPOSITE VIDEO THROUGH BNC CONNECTOR |
| | RS232-485 | RS232 TO RS485 TELEMETRY CONVERTOR (EXTERNAL) |

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| | NV7608 | ALARM BOX, DIGITAL INPUTS/OUTPUTS FOR ALL HIKVISION CAPTURE CARD MODELS |
| **HIK VISION EMBEDDED DVR's** | | |
| | DS-7004HI-S | 4 Channel Realtime Embedded DVR/DVS,H.264 , 8 Loop Outs,Quadruplex,Full LAN/WAN,Remote Client Software**, ( 1ch AUDIO )** |
| | DS-7008HI-S | 8 Channel Realtime Embedded DVR/DVS,H.264 ,Quadruplex,Full LAN/WAN,Remote Client Software**, ( NO AUDIO )** |
| | DS-7016HI-S | 16 Channel CIF Realtime Embedded DVR/DVS,H.264 , 16 Loop Outs,Quadruplex,Full LAN/WAN,Remote Client Software**, ( 4 ch AUDIO )** |
| **PINETRON EMBEDDED DVR's** | | |
| | PI-S1004-S | 4 Channel embedded DVR, MPEG4, Triplex, Real time display, 100Fps (PAL) recording, remote client software, excluding HDD,SATA |
| | PI-SC2008 | 8 Channel embedded ALL-IN-ONE LCD DVR, MPEG4, Quadruplex, Real time display, 100Fps (PAL) recording, Powerful remote client software, excluding HDD |
| | PI-PDRM6008 **(NEW)** | 8 CH EMBEDDED DVR, QUADRUPLEX, 200VIEW/200REC |
| | PI-PDRM6016 **(NEW)** | 16 CH EMBEDDED DVR, QUADRUPLEX, 400VIEW/400REC |
| | PI-PDRM5016 | 16 Channel embedded DVR, MPEG4, Quadruplex, Real time display, 200Fps (PAL) recording, CD RW, Memory stick, remote client software, excludes HDD |
| | PI-PDRM5016PRO | 16 Channel embedded DVR, MPEG4, Quadruplex, Real time display, **LIVE (PAL) recording**, CD RW, Memory stick, remote client software, excludes HDD **( Only available on Request )** |

**EMS AND CMS CONTROLROOM SOLUTIONS AVAILABLE ON REQUEST**

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|---|---|---|
| **MOBILE DVR  12VDC** | | |
| | TR3204 | TRACER 4 Channel Mobile digital recorder with Windows based Software Incl. 40GB HDD and Win XP, x8 GPIO's , x4 ch Audio , Realtime                                      (**Special Promotional Price For May   )** |
| | B-DM | 12Vdc power management unit (12V IN 12V OUT ) |
| | B-DM24 | 24Vdc power management unit (24V IN 12V OUT) |
| **IP SOLLUTIONS** | | |
| | DS-2CD812PF | ANALOGUE / **IP** HYBRID DAY/NIGHT PROFFESIONAL CAMERA ONBOARD COMPRESSION **H.264, 2 ALARM IO's AUDIO IN/OUT, BLC,AES RS485, ONBOARD SD CARD SLOT 12VDC (LENS NOT INCLUDED)** |
| | DS-2CD852F **(NEW)** | 2 MEGAPIXEL IP CAMERA, 1/3 CMOS CCD 10/100 UTP,1 Audio in 1 out,2 Alarm IO's,1600x1200 resolution,RS-485 12VDC |
| | DS-6101HFI-IP | 1 CHANNEL VIDEO SEVER, **H.264** COMPRESSION, **IO's RS485 12VDC** |

**FREE SURVEILANCE SOFTWARE BUNDLED WITH ALL IP SOLLUTION HARDWARE(PLEASE ENQUIRE)**

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| **COMMUNICATION** | | |
| NO IMAGE | RE-CP117 | SMS ALERT UNIT - 9 inputs, 3 Outputs, can be controlled/programmed via SMS |
| **FIXED DOME CAMERAS** | | |
|  | CNB-D1700P | CNB 1/3" SONY Super HAD Colour CCD, 380TV Lines, Fixed 3.8mm lens, 0.3lux, 12Vdc |
|  | CNB-D1710P | CNB 1/3" SONY Super HAD Colour CCD, 480TV Lines, Fixed 3.8mm lens, 0.3lux, 12Vdc |
|  | CNB-D1310P | CNB 1/3" SONY Super HAD Colour CCD, 550TV Lines, 3.8mm lens, 0.3Lux, 12Vdc |
| **VARI-FOCAL DOME** | | |
|  | CNB-D2310PVD | CNB 1/3" SONY Super HAD Colour CCD, 550TV Lines, 0.3Lux, BLC, Auto white balance,AGC, Built in Vari-Focal lens 4-9mm, 12Vdc |
| **VANDAL PROOF DOME** | | |
|  | CNB-V1310PVF | CNB 1/3" Super HAD CCD,**Day/Night** 550TV Lines, 0.3Lux, BLC, Auto white balance,AGC, Built in Vari-Focal lens 4-9mm, 12Vdc<br>**( Available On Request )** |
|  | CNB-V1310PVD | CNB 1/3" Super HAD CCD, 550TV Lines, 0.3Lux, BLC, Auto white balance,AGC, Built in Vari-Focal lens 4-9mm, 12Vdc<br>**( Available On Request )** |
| **INFRA RED VANDAL PROOF** | | |
|  | LO-LIRDBS | NEW  -  1/3" 420TVL, 20m Infra Red Vandalproof Eyeball 3.6mm lens |
|  | LO-LIRDCSHQ | NEW  -  1/3" 520TVL, 30m Infra Red Vandalproof Eyeball **4-9mm Vary focal lens** |
| **INFRA-RED BULLET CAMERAS** | | |
|  | TP-936WIR-MSP | TOPICA 1/3" IT CCD 420TVL, 12 IR LED, 15M, Built-in 4.3mm Fixed lens / F2.0,    0.1 LUX/f1.2 (IR on 0LUX), 12Vdc, |
|  | CNB-B1760P **(NEW)** | CNB 1/3" Sony Super HAD 530TVL Infra-red Bullet camera, 15m IR (12 led's),  4.3mm fixed lens, IP66 |
|  | CNB-B2310P **(NEW)** | 1/3" SONY SUPER HAD 550TVL 30M BULLET 6MM LENS |
|  | SCR351PRO-HP1 | MESSOA 1/3" Sony 520TVL Infra-red Bullet Camera,25m IR, 4.3mm lens, IP66 rated,IR Glass lens |
| **VARI-FOCAL INFRA RED BULLET CAMERA** | | |
|  | LO-LIT90ESHQ | NEW - 1/3" Sony Super HAD 520TVL, 50m Infra-red Bullet Camera,  , **4-9mm Vary Focal lens**, IP66 rated, 12Vdc. **(external adjustable)** |
| **ZOOM INFRA RED COMBINATION CAMERA** | | |
|  | CNB-BM5562PIR | CNB 1/3" 50m IR, SDNR, Sony Super HAD Interline transfer D/N CCD, 2X Digital zoom, DC Iris Vari-focal lens 7.5mm-50mm lens, Built in fan & heater, 550TVL, 0.3 Lux,0.000Lux IR ON, Auto white balance,AGC, BLC, Flickerless ON/OFF,12VDC,                 ( Only Available on Request, Allow 3 weeks for delivery ) |
| **DAY/NIGHT PROFESSIONAL CAMERAS (EXCLUDING CS MOUNT LENS)** | | |
|  | CNB-GL3410P | CNB 1/3" Sony Super HAD, 480TVL,  AGC, BLC, Flickerless On/Off, 12VDC<br>(**NO LENS OR BRACKET**) |

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| | CNB-G2960PF(NEW) | CNB 1/3" Sony Super HAD 530TVL Day Night , AGC,BLC,SDNR,DSS,0.0005LUX **(NO LENS OR BRACKET)** |
| | CNB-G1810PF | CNB 1/3" Sony Super HAD, Super Digital noise reduction CCD **TRUE Day/Night ICR filter**, 550TVL, Digital Slow Shutter,  AGC, BLC, Flickerless On/Off,  OSD, **12VDC** **(NO LENS OR BRACKET)** |
| | CNB-A1263PL | 1/4" SHAD 480TVL 22X OPT 10X DIGITAL PROF ZOOM CAMERA **DSS**,OSD,RS485 PELCO-D 12VDC      **( Only While Stocks Last )** |
| | CNB-A1263P | 1/4" SHAD 480TVL 22X OPT 10X DIGITAL PROF ZOOM CAMERA ,OSD,RS485 PELCO-D 12VDC      **( Only While Stocks Last )** |
| **WIDE DYNAMIC PROFESSIONAL CAMERAS (EXCLUDING CS MOUNT LENS)** | | |
| | CNB-GP600 | CNB 1/3" **Sony Double Scan CCD** WDR Day/Night (IR Cut Filter Removable), 480TVL, Digital Slow Shutter, Day 0.3LUX, Night 0.1 LUX, DSS 0.001LUX, 3 x Digital Zoom, AGC, BLC, Flickerless On/Off, Privacy Zone, OSD, **12Vdc**                          **(NO LENS OR BRACKET)** |
| | CNB-GL3662PF | CNB 1/3" **PIXIM CCD** WDR Day/Night (IR Cut Filter Removable), 540TVL, Digital Slow Shutter, Day 0.3LUX, Night 0.1 LUX, DSS 0.001LUX, 3 x Digital Zoom, AGC, BLC, Flickerless On/Off, Privacy Zone, OSD, **12Vdc**                          **(NO LENS OR BRACKET)** |
| **COMBINATION CAMERA** | | |
| | GP730 | CNB 1/3" Sony Super HAD CCD, Built in DC Iris Vari-focal lens 4mm-9mm, 550TVL, Auto white balance, AGC, BLC, Flickerless On/Off, 12VDC Lens Included **(NO BRACKET)** |
| **C/CS LENSES FOR PROFESSIONAL CAMERAS** | | |
| | V-SDD0308ASPH-IR | 3-8MM **ASPHERICAL** DIRECT DRIVE F0.95 ED Glass |
| | V-SDD2712ASPH-IR | 2.7-12MM **ASPHERICAL** DRIECT DRIVE F1.2 ED Glass |
| | V-SDD0655ASPH-IR | 5 - 55MM **ASPHERICAL** DIRECT DRIVE F1.4 ED Glass |
| | LO-MZAI0358 | 1/3" 3.5-8mm Auto-Iris glass lens, CS mount |
| | LO-MZAI02812 | 1/3" 2.8-12mm Auto-Iris glass lens, CS mount |
| | LO-MZAI0660 | 1/3" 6-60mm Auto-Iris glass lens, CS mount |
| | LO-MZAI05100 | 1/3" 5-100mm Auto-Iris glass lens, CS-mount |
| **INDOOR MINI HIGH SPEED DOME** | | |
| | CNB-SM1065P | CNB 1/4" Sony Super HAD 360 degree high speed dome, 10X Optical,10X Digital **Mini** high speed dome, 550TVL, 0.01LUX, DN(ICR), DSS, PELCO P/D on RS-485, 128 Presets,.**24Vac** |
| **INDOOR HI SPEED DOME (ADD PSU24)** | | |
| | CNB-S1565PX | CNB 1/4" EXVIEW 360 degree high speed dome, 30X  Optical,  10X  Digital  **INDOOR** high speed dome, 480TVL, 0.0005LUX,  DN(ICR),  DSS,  PELCO P/D on RS-485, 128 Presets, 8 swing, 4 patterns, 8 groups. **24Vac** **( Special Promotion )** |
| | VID-AU-G65-SB26 | 1/3" **SONY** FCB-EX980P CCD, **I**ndoor,Day/Night,0.01 LUX,f 2.5 ~ 91mm, x26 Optical Zoom, Privacy Masking,80 Presets, **24Vac** |
| **OUTDOOR HI SPEED DOME (ADD PSU 24)** | | |

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| | CNB-S2565PX | CNB 1/4" EXVIEW 360 degree high speed dome, 30X Optical,10X Digital **OUTDOOR** high speed dome, 480TVL, 0.0005LUX,  DN(ICR),  DSS,  PELCO P/D on RS-485, 128 Presets, 8 swing, 4 patterns, 8 groups. **24Vac** |
| | VID-AU-G70-WB36WD **(NEW)** | 1/3" **SONY** FCB-EX1010P EXVIEW WIDE DYNAMIC RANGE CCD, 530TVL,0.0005 LUX 36X optical, **OUTDOOR,** Day/Night,Low Power Consumption, Temprature control, IP66, Multiple Protocol, |
| **HIGH SPEED DOME CONTROLLERS** | | |
| | CNB-TX1200 | CNB - 3-AXIS CONTROLLER, 2X16LCD, UP TO 255 CAMERAS, MULTI PROTOCOL, USB SUPPORT |
| | VID-AU-KB3N/S12 **(NEW)** | VIDO.AT- 3 AXIS CONTROLLER,Auto Switching,Multi Protocol,Variable Speed Control,Rs232/485,Direct Access to Tour Recall,Alluminium Finish |
| **HI SPEED DOME ACCESSORIES** | | |
| | CNB-SMPB1000 | PENDANT MOUNT BRACKET FOR MINI HI SPEED DOME |
| | CNB-SMWB1000 | WALLMOUNT BRACKET FOR MINI HI SPEED DOME |
| | CNB-SIB1000 | QUICK CEILING MOUNT BRACKET FOR INDOOR HI SPEED DOME |
| | CNB-SWB1000 | WALLMOUNT BRACKET FOR INDOOR HI SPEED DOME |
| | CNB-SPB1000 | PENDANT MOUNT BRACKET FOR INDOOR HI SPEED DOME |
| | CNB-SWB2000 | WALLMOUNT BRACKET FOR OUTDOOR HI SPEED DOME |
| | CNB-SPB2000 | PENDANT MOUNT BRACKET FOR OUTDOOR HI SPEED DOME |
| | CNB-SCB2000 | CORNER MOUNT BASE |
| | CNB-SOB2000 | POLE MOUNT BASE |
| | CNB-SSS2000 | SUNSHIELD |
| **COVERT & SPECIALIST CAMERAS** | | |
| | LO-LPRCS | 1/3" Sony 420 TVL Passive camera 3.7mm lens |
| | CCTV-WORKING-PIR | 1/3" Sony 420 TVL Working Passive camera 3.7mm lens |
| | TP-6430SC | TOPICA 1/3" Colour non-working Smoke Detector CCD camera , 420TV Lines, 1.0LUX, AWC, BLC, AGC, Fixed 4.3mm lens,  12 Vdc |

| | LO-LMCM25S | 1/3" Sony 420 TVL square pinhole covert 3.7mm lens |
|---|---|---|
| | LO-LSPCS | NEW  -  1/3" Sony 420 TVL sprinkler covert camera |

| CAMERA HOUSINGS FOR PROFESSIONAL CAMERAS | | |
|---|---|---|
| | S-CH105AM | Small outdoor Camera Housing 100(W) x 110(H) x 383(D) mm Incl. Sunshield. CREAM |
| | S-CH107AB | Large outdoor Flip open camera housing with blower inside -  CREAM |

| CAMERA MOUNTINGS BRACKETS | | |
|---|---|---|
| | S-CMB107N | Metal indoor 3 piece bracket -  CREAM |
| | S-CMB107D | Metal Bracket for Camera Housing (Use with S-CH105AM/107AF/107AB) - CREAM |
| | S-CMB107C | Metal cable managed Bracket for Camera Housing (Use with S-CH107AF/107AB ) - CREAM |

| CAMERA POWER SUPPLIES | | |
|---|---|---|
| | RE-PS40-1 | 2.5Amp 12Volt dc power supply (Suitable for 1-2 cameras) |
| | PS10 | 10-12Amp 12Volt dc power supply (Suitable for 8 cameras) |
| | PS11 | 6 amp 12vdc Wall mountable switchmode Power supply |
| | S-7AH | 12Vdc 7 amp/hour battery (use with PS10 for battery backup) |
| | MCS-PSU24 | NEW - 24VAC power Supply, 2.5 Amp |
| NO IMAGE | MEI140 | 1.4KVA interline UPS |

| SOLAR PANEL SOLUTIONS AVAILABLE ON REQUEST | | |
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| VIDEO DISTRIBUTION AND AMPLIFICATION | | |
|---|---|---|
| | SO-TPT-414VH | 4 channel coax to 1 RJ45 (4 twisted pair) |
| | M-BALUN | Video Balun - pair |
| NO IMAGE | PR-LINEAMP | Inline 1 channel video amplifier, adjustable high and low gain independantly |
| NO IMAGE | V-WWT212 | 1 In 6 Out video distribution amplifier |
| NO IMAGE | V-WWT215 | 1 In 4 Out video distribution amplifier |

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| NO IMAGE | RVC704 | 4ch Video Quad Processor incl remote |

| **MONITORS (PLEASE ENQUIRE FOR PC SCREENS)** | | |
|---|---|---|
| | TP-56CC-TFT | 5.6" TFT Screen, portable carry bag, rechargeable battery and single cable. |
| | 7"LCD | 7" LCD SCREEN 12VDC, 1 Video in, 1 Audio in (STEREO JACK INPUT) |
| | V-CVM15 | 15" CCTV (CRT) Monitor, 650TVL - HIGH QUALITY |
| | TP-178TFT | 17" CCTV LCD monitor (VGA, RCAvideo, stereo audio) 500:1 contrast |
| | TV2VGA | Composite video to VGA converter - use with VGA PC monitors to accept video input |

| **SURGE ARRESTORS** | | |
|---|---|---|
| | V-PH101LP | Coax surge protector |
| | V-PH12VDCLP | 12Volt, surge protector |


impro technologies®
ACCESS CONTROL

| **Single Door System Controllers** |
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**SupaGate Controllers:**

The SupaGate Range is a cost effective Solutionto single dorr access control applications

All SupaGate units are Compatible with ImproX Range of Antennas ( see Antenna Readers )

The SupaGate Range Supports Dynamic Code Transmission Technology ( the Code Cannot be Copied )

All RF SupaGate Units Are Optimized for Use with the Improx Quad Transmitter ( XQT904-0-1-GB )

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| | IM-SGI910-1-0-GB | **SupaGate Lite :**<br><br>Single Door Proximity based Access control System<br><br>The System is Supllied with a SupaGate Lite and SupaGate Keypad Antenna for TAG or PIN entry<br>The System Supports 99 TAGS, a Single Relay with Drive Time Configuration and Request to Exit Button |
| | IM-SGI911-1-0-GB | **SupaGate :**<br><br>4 Channel RF Access Control System<br><br>The SupaGate has 4 Relays ; Each can be triggered from the Corresponding Button on the 4 Channel RF transmitter<br><br>The SupaGate Supports an Optional Single Proximity Reader for Standard Door Access<br><br>The System Supports 99 TAGS, Four Relays with Drive Time Configuration and Request to Exit Button |
| | IM-SGI912-1-0-GB | **SupaGate PLUS :**<br><br>4 Channel RF Access Control System<br><br>The SupaGate has 4 Relays ; Each can be triggered from the Corresponding Button on the 4 Channel RF transmitter<br><br>The SupaGate Supports Two Optional Proximity Reader for Standard Door Access<br><br>The System Supports 99 TAGS, Four Relays with Drive Time Configuration and Request to Exit Button |
| | IM-SGI914-1-0-GB | **WeatherProof SupaGate PLUS :**<br><br>IP66 Housing with Weatherproof Glands<br><br>Supports an Antenna with Threaded Connection Allowing for Optional Extended Antenna<br><br>The SupaGate has 4 Relays ; Each can be triggered from the Corresponding Button on the 4 Channel RF transmitter<br><br>The SupaGate Supports Two Optional Proximity Reader for Standard Door Access<br><br>The System Supports 99 TAGS, Four Relays with Drive Time Configuration and Request to Exit Button |

| | | 4 Channel RF Access Control System |
|---|---|---|
| | IM-SGI913-1-0-GB | **SupaGate KeyPad Antenna ( SKA ) :**<br><br>125 kHZ Keypad Proximity Reader<br><br>The SupaGate KayPAd Antenna ( SKA ) is Compatible with The SupaGate Range and Supports TAG or PIN access<br><br>The Reader Housing Is Made From ABS plastic and is Fully Potted For outdoor Applications |

## IXP220 Controllers ( 1 to 256 Doors )

**The IXP220 Controllers Support:**

Up to 10,000 Tags Per Site

Up to 100,000 Buffered Transactions Per Controller

The Controller Comes Standard with RS232, USB and 10/100Mbps Communications Options

Supports 2 Readers , Either ImproX Antenna, ImproX Wiegand, VeHicle Readers or 3rd Party Wiegand ( UGENIX ) Readers

All 220 Controllers Have the Same Hardware Platform. The Ability of the Controller changes depending on the License in the Controller

The IXP220 System Controller Can Either Communicate with Additional IXP220 Redundant, System Controllers or With Door Controllers

PCB Only versions of the IXP220 Controller Are Available on Request

| | | |
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| | IM-IPS961-1-0-GB | **IXP220 Stand Alone Controller**<br><br>**Includes Free Software, Which When Connected to a Stand Alone Controller Allows:**<br>Support For Up To 1 Door Full Anti-PassBack or 2 Doors Single Entry<br>Support For Up To 2,000 Tags and<br>Offers Software Connectivity By Either RS232, USB or TCP/IP as Standard<br>Fully Upgradeable to a System Controller ( See Controller Unlock Code )<br>Includes a 2 Amp Switch-Mode Power Supply With Battery Charging And Power Monitory Circuitry on-board ( battery not included ) |
| | IM-IPS963-1-0-GB | **IXP220 System Controller**<br><br>The System Controller Can Communicate with Additional System or Door Controller using its Host ( RS232, TCP/IP ) or Terminal (RS485) Bus option<br>Includes a 2 Amp Switch-Mode Power Supply With Battery Charging And Power Monitory Circuitry on-board ( battery not included )<br><br>**When Talking to System Controllers**<br><br>The IXP220 Software Will Allow up to 4 doors to be configured ( at no Charge )<br><br>To allow Configuration of more than 4 doors ( up to 256 ) ISW903-1-0-GB is required<br><br>The System Controller Supports can Support up to 32 APB Doors ( 64 Fixed Addresses) on the Terminal Bus |
| NO IMAGE | IM-ISU902-0-0-GB | **IXP220 Controller Upgrade Code :**<br><br>Upgrade a IXP220 Stand Alone Controller to An IXP220 System Controller |

## IXP220 Software ( 1 to 256 Doors )

**The IPX220 System Has 3 Models, Each Allowing Control Of A Set Number of DOORS And TAGS**

**Model 1 :  When Commnicating with a Stand Alone Controller the Software allows the following cofiguration**
Up to 1 Door in full APB or 2 Doors single Entry
Up to 2,000 Tags

**Model 2 :  When Commnicating with System Controller(s) the Software allows the following cofiguration**
Up to 4 Doors in Full APB
Up to 10,000 Tags

**Model 3 :  When the Software has been purchased and registrationInterface is Connected to the Host PC**
Up to 256 Doors In Full APB
Up to 10,000 Tags

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| | IM-ISW903-1-0-GB | **IXP220 Software Suite**<br><br>**Allows the software to be unlocked to Configure**<br>Up to 256 Door in Full APB<br>Up to 10,000 Tags<br>**Software Pack Includes :**<br>Software CD<br>USB registration Interface With RS485 Controller Connectivity & 3rd Party Reader Support ( UGENIX )<br>Desk Mount Registration Reader - 125kHz<br>**Is powered By the PC via USB Connection** |
| | IM-ISR900-1-0-GB | **USB Desk Mount Registration Reader - 125kHz**<br><br>Cost Effective USB Desk Mount Registration Reader<br><br>Offers Convenient Registration Of Tags For Employee and / or Visitor Enrolment<br><br>Is Supported By Both the Base Application and Web Based Enrolment Software<br><br>**NOTE : This USB Registration Reader Does NOT support license Unlocks** |

## Enterprise System Controllers

**IXP400i Controllers ( 1 TO 3,000 Doors )**

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|---|---|---|

**The IXP400 Controllers Support :**

Up to 300,000 tags per site

Up to 100,000 Buffered Transactions Per Controller

Up to 64 Locations per Controller

**All IXP400 Controllers Are Supported by the ImproNet Software Suite. ( See IPX400 Software )**

**All IXP400 Controllers Support the Full Range Of ImproX Hardware**

**Aluminium Extruded housing Without Power Supply Option is Available on Request**

| | IM-IPS970-0-0-GB | **IXP400i Ethernet Controller in Power Supply Box - LAN/WAN & RS485 Connectivity**<br>Powder Coated Cabinet with Built in 3 Amp Switch Mode PSU and a 6 VDC 3A/H Backup Battery<br>Communicates Using Ethier True 10/100Mbps TCP/IP Or RS485<br>**Dynamically Allocated tag / Transaction Memory**<br>Up to 300,000 Tag Holders, and<br>Up to 1,000,000 Buffered Transactions<br>ARM9 Processor with Linux OS Allowing Native Ethernet Communication<br>Communications with Door Controllers and Terminals Using The RS485 Terminal Bus<br>Includes on-Board Power Monitoring and Automatic Backup Of Controller Database to a USB Device |
|---|---|---|

| **Door Controllers** |
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All door Controllers are Compatible with the IXP220 and IXP400i Systems

Each Door Controller is Compatible with specific readers. Always select the correct readers for the chosen Door Controller

**ImproX Twin Terminal ( TT )**

Supports One Door in Full APB or 2 Doors with a Single Reader

**Supports :**

2 Antenna Readers ( See Antenna Readers )

2 Relays

2 Door Open Sensors

2 Request to ENTER / EXIT  Inputs

Includes 8 Status LED's

Operates with Input Voltage of 10 to 30V DC

Supports 125kHz Proximity Tags

The TT is a Cost Effective Solution with no Offline Intelligence

**NOTE:** Option Available with Aluminium Housing and No Power Supply

| | IM-XTT900-1-0-GB | **ImproX Twin Terminal ( TT ) - PCB ONLY**<br><br>Supplied on Metal Base Plate For Installation Into User Supplied Cabinet |
|---|---|---|
| | IM-IPS910-1-0-GB | **ImproX Twin Terminal ( TT ) - With 3 Amp Power Supply**<br>Housed in a Black, Powder Coated , Mild Steel Housing<br>**Includes a 3 Amp SwitchMode Power supply With :**<br>2 way output connectors<br>12VDC, 7Ah Battery Backup ( Battery not Included )<br>Battery Charging<br>Surge and Short Protection<br>5 ImproX Quick-Click Glands |

**ImproX Twin Remote Terminal ( TRT )**

Supports One Door in Full APB or 2 Doors with a Single Reader

**Supports :**

2 ImproX Remote Readers ( See Remote Readers ) or,

2 Wiegand Readers

2 Relays

2 Open Door Sensors

2 Request to ENTER / EXIT  Inputs

Includes 8 Status LED's

Operates with Input Voltage of 10 to 30V DC

The TRT is a Cost Effective Solution With No Offline Intelligence

**NOTE:** Option Available with Aluminium Housing and No Power Supply

| | IM-XRT911-1-0-GB | **ImproX Twin Remote Terminal ( TRT ) - PCB ONLY**<br><br>Supplied on Metal Base Plate For Installation Into User Supplied Cabinet |
|---|---|---|
| | IM-IPS920-0-0-GB | **ImproX Twin Remote Terminal ( TRT ) - With 3 Amp Power Supply**<br>Housed in a Black, Powder Coated , Mild Steel Housing<br>Includes a 3 Amp SwitchMode Power supply With :<br>2 way output connectors<br>12VDC, 7Ah Battery Backup ( Battery not Included )<br>Battery Charging<br>Surge and Short Protection<br>5 ImproX Quick-Click Glands |

| | | |
|---|---|---|
| | | |

## Intelligent Door Controllers

**ImproX Multi-Functional Terminal ( MFT )**

| | | |
|---|---|---|
| | IM-IPS930-0-0-GB | **ImproX Multi-Functional Terminal (MFT) - With 3 Amp Power Supply**<br><br>The MFT Has Onboard Intelligence and Maintains Limited Functionality when Offline From the System Controller allowing Access to Authorized Tags<br><br>Supports One Door In Full APB or 2 Doors With a Single Reader<br><br>Housed in a Black, Powder Coated , Mild Steel Housing<br><br>**Include a 3 Amp switch-mode Power Supply, with :**<br>2 way output connectors<br>12VDC, 7Ah Battery Backup ( Battery not Included )<br>Battery Charging<br>Surge and Short Protection<br>5 ImproX Quick-Click Glands<br>**Supports :**<br>2 ImproX Mifare Readers ( See Mifare Readers ) or,<br>2 ImproX Antenna Readers ( See Antenna Readers ) or,<br>1x  3rd Party Hardware Unit Using Wiegand Communication ( UGENIX )<br>3 Relays<br>3 Door Open Sensors<br>3 Request to Enter / Exit Inputs<br>Includes 8 Status LED's<br>Operates with Input Voltage of 10 to 30V DC<br>The MFT Has a 3rd Reader Connection and Relay for Advanced Functionality<br>**NOTE:**<br>The MFT Only Supports ONLY ONE Wiegand Remote<br>Option Available with Aluminium Housing and no Power Supply |

## Time And Attendace Reader

**T & A Terminal & Remote**

The ImproX Time & Attendance Reader is Compatible with the IXP120, IXP200 and IXP400 Systems

The ImproX Time & Attendance Reader can Connect Directly with the Controller on the RS485 Terminal Bus

The Single Line Character LCD displays date ( YYYY/MM/DD ) and time ( HH:MM ) for Time & Attendance Clocking Points

| | | |
|---|---|---|
| | IM-XTA902-1-0-GB | **ImproX Time & Attendance Terminal ( TA )**<br>**Unit Includes :**<br>ABS Housing with Anti-Tamper Switch<br>Single Line 16 Character LCD with Back Lighting<br>4 keys For Reason Codes<br>Internal 125kHZ Reader<br>2 Relays<br>4 Digital Inputs ( 2 Door Open Sensor Inputs, 2 Request to Enter / Exit Input<br>Buzzer<br>The TA support an Optional ImproX Remote Reader or,<br>A 3rd Party Hardware Unit using Wiegand Communication ( Ugenix ) |
| | IM-XTA905-1-0-GB | **ImproX Time & Attendance Remote Reader ( TAR )**<br>**Unit Includes :**<br>ABS Housing with Anti-Tamper Switch<br>Single Line 16 Character LCD with Back Lighting<br>4 keys For Reason Codes<br>Internal 125kHZ Reader<br>Buzzer<br>The TA Must Connect to a Compatible Terminal |

**Industrial T & A Readers**

Housed in an IP66 Enclosure

Has 4 Stainless Steel Buttons For Reason Codes

Is delivered with Weather resistant Wiring Glands

| | | |
|---|---|---|
| | IM-XTA906-1-0-GB | **ImproX Industrial Time & Attendance Terminal ( iTA )**<br>**Unit Includes :**<br>IP66 Housing with Anti-Tamper Switch<br>Single Line 16 Character LCD with Back Lighting<br>4 Stainless Steel Keys For Reason Codes<br>Internal 125kHZ Reader<br>2 Relays<br>4 Digital Inputs ( 2 Door Open Sensor Inputs, 2 Request to Enter / Exit Input<br>Buzzer<br>The TA Supports an Optional ImproX Remote Reader or,<br>A 3rd Party Hardware Unit using Wiegand Communication ( Ugenix ) |
| | | **ImproX Industrial Time & Attendance Remote Reader( iTAR )**<br>**Unit Includes :**<br>IP66 Housing with Anti-Tamper Switch |

| | IM-XTA906-1-0-GB | <span style="color:red">Single Line 16 Character LCD with Back Lighting</span> |
| | | <span style="color:red">4 Stainless Steel Keys For Reason Codes</span> |
| | | <span style="color:red">Internal 125kHZ Reader</span> |
| | | <span style="color:red">Buzzer</span> |
| | | The TA Remote Must Connect to a Compatible Terminal |

## Input/Output Terminals

**I/O Terminals**

The ImproX Input & Output Terminals are Compatible with The IXP200 & IXP400 Systems

The ImproX Input & Output Terminals Can Connect Directly with The Controller on the RS485 Terminal Bus

| | IM-XIT900-0-0-GB | **ImproX I16 - 16 Channel Input Terminal** |
| | | Supports 16 Digital Inputs which Monitor For A Open Or Closed Contact |
| | | Each Input Supports End Of Line Sensing |
| | | Operates with Input Voltage of 10 to 30V DC |
| | | Housed in Aluminium Case with Removable Side Plates |
| | | Has 19 Visible Status LED's. 16 to Status of Each Input, 1 For Power and 2 For Communication Status |
| | IM-XOT900-0-0-GB | **ImproX O16 - 16 Channel Output Terminal** |
| | | Supports 16 Digital Inputs which Monitor For A Open Or Closed Contact |
| | | Operates with Input Voltage of 10 to 30V DC |
| | | Contact Rating of 2A @ 30V DC |
| | | Housed in Aluminium Case with Removable Side Plates |
| | | Has 19 Visible Status LED's. 16 to Status of Each Input, 1 For Power and 2 For Communication Status |

## Antenna Readers

**Antenna Readers**

<span style="color:red">**All ImproX Antenna Readers Can Connect to The Following :**</span>
<span style="color:red">Supagate         ( See Supagate Controllers )</span>
<span style="color:red">IXP220 Controllers, and the   ( See IXP 220 Controllers )</span>
<span style="color:red">ImproX Twin Terminal ( TT ) and  ( See Door Controllers )</span>
<span style="color:red">Multi-Functional Terminal    ( See Door Controllers )</span>
All ImproX Antenna Readers Read 125kHz Proximity Tags Which Includes Read / Write & HID Tags

| | IM-XTT901-1-0-GB | **ImproX Micro Mullion Antenna Reader ( MMA )** |
| | | Non-Keypad |
| | | Charcoal Colour |
| | | NO Buzzer |
| | | Bi-Coloured LED |
| | | ABS Enclosure, L43 x W59 x D16mm |
| | | 8 Meters of Cable |
| | | Potted |
| | IM-XTT902-1-0-GB | **ImproX Micro Antenna Reader ( MA )** |
| | | Non-Keypad |
| | | Charcoal Colour |
| | | With Buzzer |
| | | Bi-Coloured LED |
| | | ABS Enclosure, L53 x W87 x D24mm |
| | | Potted |
| | IM-XTT903-1-0-GB | **ImproX Metal Harsh Enviroment Antenna Reader ( MHA )** |
| | | Non-Keypad |
| | | Zinc Alloy Die Cast Enclosure |
| | | Champagne Colour |
| | | With Buzzer |
| | | Bi-Coloured LED |
| | | Potted |
| | IM-XTT904-1-0-GB | **ImproX Keypad Harsh Enviroment Antenna Reader ( KHA )** |
| | | Keypad Unit |
| | | Champagne Colour |
| | | With Buzzer |
| | | Bi-Coloured LED |
| | | Zinc Alloy Die Cast Enclosure |
| | | Potted |
| | IM-XTT905-1-0-GB | **ImproX Keypad Mullion Antenna Reader ( KMA )** |
| | | Keypad Unit |
| | | Charcoal Colour |
| | | With Buzzer |
| | | Bi-Coloured LED |
| | | ABS Enclosure with L116 x W38 x D19mm |
| | | Not Potted |
| | | **ImproX Rod Antenna Reader ( RA )** |
| | | Non-Keypad |

| | | |
|---|---|---|
| | IM-XTT906-1-0-GB | White Colour<br>NO Buzzer<br>Bi-Coloured LED<br>ABS Enclosure with 8m x 4 Core Cable<br>Potted |
| | IM-XTT907-1-0-GB | **ImproX Keypad Antenna Reader ( KA )**<br>Keypad Unit<br>Charcoal Colour<br>With Buzzer<br>Bi-Coloured LED<br>ABS Enclosure, L114 x W81 x D32mm<br>Potted |
| | IM-XTT909-1-0-GB | **ImproX Conduit Antenna Reader ( CA )**<br>Non-Keypad<br>Green Colour<br>With Buzzer<br>Bi-Coloured LED<br>No Enclosure |
| | IM-XRR901-1-0-GB | **ImproX RRA - Desk Mount 125 Khz Registration Antenna**<br>Reads 125Khz Tags<br>Used With ImproX Registration Interface<br>Housed in Aluminium Extrusion<br>Bi-Coloured LED For Read Status Indication |

### ImproX Readers

**Vehicle Entry Readers**

| | | |
|---|---|---|
| | IM-UHR903-0-1-GB | **ImproX UHF Reciever - 4 Channel , 433.92MHZ**<br>The Reciever Supports The ImproX Quad Transmitter ( See RF Tags )<br>The Reciever Supports 4 Independent Channels Allowing Each Button On The Quad Transmitter to Drive A Separate Relay<br>The Reciever is Housed in a Weather Resistant Housing and can be Mounted Outside<br>**Note :**<br>RF Noise Can Reduce Read Range, Always Check Site Conditions Before Installations<br>This Product Does Not Have CE Approval |
| | IM-ITR901-0-0-GB | **ImproX Industrial Infrared Reciever**<br>The InfraRed Reciever Supports The ImproX Infra Red Transmitter  ( See RF Tags )<br>The Reciever is Housed in a Weather Resistant Housing and can be Mounted Outside<br>**Note :**<br>InfraRed Requires Line Of Site to Operate,  Bright Light and Reflective Materials can Reduce Range<br>Always Check Site Conditions Before Installation |

**ImproX Wiegand Readers**

**All ImproX Wiegand Remotes Can Connect The Following :**

IXP220 Controllers, and the                      ( See IXP 220 Controllers )
ImproX Twin Remote Terminal ( TRT )  and    ( See Door Controllers )
Multi-Functional Terminal                        ( See Door Controllers )

**The Wiegand Readers support Both 26 & 44 Bit Output  ( Selectable on Power On )**

**All ImproX Wiegand Readers Read the Following 125kHz Proximity Tag Types :**

Standard 125 kHz ISO Tag ( EM Marin, Manchester encoded )

HID 125 kHz

Impro Standard Tag ( Impro's Proprietary, Link-Scan Compatible , Trinary Tag )

**NOTE: The ImproX MfT Only Supports ONE Wiegand Reader**

| | | |
|---|---|---|
| | IM-WPR-1-0-GB | **ImproX Plastic Wiegand Reader**<br>Non-Keypad<br>Charcoal Colour<br>With Buzzer<br>Bi-Coloured LED<br>ABS enclosure, L53 x W87 x D24mm, Potted |
| | IM-WPK900-1-0-GB | **ImproX Plastic Keypad Wiegand Reader**<br>Keypad Unit<br>Charcoal Colour<br>With Buzzer<br>Bi-Coloured LED<br>ABS Enclosure , Potted |
| | | **ImproX Metal Wiegand Reader**<br>Non-Keypad<br>Zinc Alloy Die Cast Enclosure |

| | | |
|---|---|---|
| | IM-WMR-900-1-0-GB | Silver Colour<br>Bi-Coloured LED<br>With Buzzer<br>Potted |
| | IM-WMK900-1-0-GB | **ImproX Metal Keypad Wiegand Reader**<br>Keypad Unit<br>Silver Colour<br>With Buzzer<br>Bi-Coloured LED<br>Zinc Alloy Die Cast Enclosure<br>Potted |
| | IM-WKM900-1-0-GB | **ImproX Plastic Mullion Keypad Wiegand Reader**<br>Keypad Unit<br>Charcoal Colour<br>With Buzzer<br>Bi-Coloured LED<br>ABS Enclosure L116 x W38 x D19mm<br>Not Potted |
| | IM-WRR900-1-0-GB | **ImproX Desk Mount Registration Wiegand Reader**<br>Reads 125Khz Tags<br>Used With ImproX Registration Interface<br>Housed In Aliminium extrusion<br>Bi-Coloured LED For Read Status Indication |

**ImproX Mifare Readers**

**All ImproX Mifare Readers Can Connect The Following :**

ImproX Twin Remote Terminal ( TRT ) and    ( See Door Controllers )

Multi-Functional                              ( See Door Controllers )

All ImproX Mifare Remotes Can Read Both 13.56Mhz Mifare and Felica Tags

**Note :**

Standard Reader Distance of 10 Meteres From the Terminal Apply to the Mifare Readers

IMPORTANT : The Mifare Readers DO NOT CONNECT Directly to the IXP220 Controller, An ImproX TRT HAS TO BE USED

| | | |
|---|---|---|
| | IM-XRT901-4-0-GB | **ImproX Plastic Mifare Remote Reader**<br>Non-Keypad<br>Charcoal Colour<br>With Buzzer<br>Bi-Coloured LED<br>ABS Enclosure, L53 x W87 x D24mm<br>Potted |
| | IM-XRT902-4-0-GB | **ImproX Metal Mifare Remote Reader**<br>Non-Keypad<br>Zinc Alloy Die Cast Enclosure<br>Silver Colour<br>With Buzzer<br>Bi-Coloured LED<br>Potted |
| | IM-XRT903-4-0-GB | **ImproX Keypad Mifare Remote Reader**<br>Keypad Unit<br>Charcoal Colour<br>With Buzzer<br>Bi-Coloured LED<br>ABS Enclosure , L114 x W81 x D32mm |
| | IM-XRT904-4-0-GB | **ImproX Metal Keypad Mifare Remote Reader**<br>Keypad Unit<br>Silver Colour<br>With Buzzer<br>Bi-Coloured LED<br>Zinc Alloy Die Cast Enclosure<br>Potted |
| | IM-XRM901-4-0-GB | **ImproX RRM - DESK MOUNT Mifare Registration Reader**<br>Reads 13.56Mhz Tags<br>Connects to an ImproX Registration Interface<br>Aluminium Housing<br>Bi-Coloured LED For Read Status Indication |
| **Drop Box** | | |

| | | |
|---|---|---|

**Drop Boc Readers**

Compatible with the IXP120,IXP200 and IXP400 Systems

Used for Retention of all ISO credit cards Including Clip

**NOTE:** The Vertical Mount Drop Box, With or Without Housing, does not support ImproX PICO Tags and is only Compatible with ISO Credit Card Tags When Clip is Mounted on the Short Side of the Tag ( Portrait Layout )

| | IM-XDBv902-1-0-GB | **ImproX Vertical Mount Drop Box ( DBv ) - Internal Mechanism Only** |
|---|---|---|
| | | 304 Stainless Steel Frame Only , The Unit Must be mounted on a Vertical Surface |
| | | Removeable FacePlate for Location on a vertical Surface |
| | | Connects Directly to the RS485 Terminal Bus |
| | | **Unit Includes :** |
| | | Internal 125kHZ Reader |
| | | 2 Relays |
| | | 4 Digital Inputs ( 2 Door Open Sensor Inputs, 2 Request to Enter / Exit Input |
| | | Buzzer |
| | | A Second ImproX Antenna Reader Can Be Connected For Permanent Tag Holders |
| | IM-XDBv903-1-0-GB | **ImproX Vertical Mount Drop Box with Housing ( DBv )** |
| | | Connects Directly to the RS485 Terminal Bus |
| | | Mild Steel, Powder Coated Frame |
| | | **Unit Includes :** |
| | | Tag Capture Unit |
| | | Lockable Door |
| | | Internal 125kHZ Reader |
| | | 2 Relays |
| | | 4 Digital Inputs ( 2 Door Open Sensor Inputs, 2 Request to Enter / Exit Input |
| | | Buzzer |
| | | A Second ImproX Antenna Reader Can Be Connected For Permanent Tag Holders |

## Long Range Passive Readers

**Extended Range Reader**

The ER can Read 125kHz Passive tags at an Extended Range

The ER Terminalhas 4 Antenna Options

NOTES:

Electronic Noise can have a Negative Affect on the read range of the ER. Ensure That the Unit is Tested on site to establish that the Desired Read

The ER must be Earthed Correctly For Correct operation

| | IM-XER901-3-0-GB | **ImproX Extended Range Terminal ( ER )** |
|---|---|---|
| | | Connects Directly to the RS485 Terminal Bus |
| | | Supplied in Black aliminium Housing |
| | | **Supports :** |
| | | Single Entry to 1 Door |
| | | 2 ER Antenna Readers |
| | | 1 Relay |
| | | 1 Digital Input |
| | | Buzzer |
| | | Includes 1 Power Status LED |

**ER Antenna Readers**

| | IM-XER902-3-0-GB | **ImproX ER Antenna - 350mm x 350mm** |
|---|---|---|
| | | Aesthetically Pleaseing Fiberglass Housing |
| | | Potted |
| | | Includes Four Mounting Points Plus Mirror Screws |
| | | Supplied with 2m Coaxial Cable |
| | IM-XER903-3-0-GB | **ImproX ER Antenna -1200mm x 400mm** |
| | | ABS Plastic Housing |
| | | Potted |
| | | Unit Supplied with a 3 meter Cable |
| | IM-XER904-3-0-GB | **ImproX ER Antenna - 800mm x 400mm** |
| | | ABS Plastic Housing |
| | | Potted |
| | | Unit Supplied with a 3 meter Cable |
| | IM-XER905-3-0-GB | **ImproX ER Antenna - 400mm x 400mm** |
| | | ABS Plastic Housing |

| | | |
|---|---|---|
| | IM-XLR905-3-0-GB | Potted |
| | | Unit Supplied with a 3 meter Cable |
| **Software** | | |

**ImproNet Software Options**

**The IXP400 System Supports the ImproNet Software Suite**

**ImproNet is Modular in make up and at a minimum ImproNet Access & Engine Must Be ordered**

**There are two DataBase Options Available. FIREBIRD option is shown ( INS ). To Upgrade thje DataBase Option to SQL Server Select Th**

**Both ImproNet Engine And ImproNet Access Must Be Upgraded**

**Individual Engine And Access Modules**

| | | |
|---|---|---|
| | IM-INS942-1-0-GB | **ImproNet Engine Only - RS485 Connectivity**<br><br>Includes USB Registration Interface<br><br>Unit is Unlocked for ImproNet Engine<br><br>The Registration Interface Connects to the ImproX Advanced Controller Using RS485<br><br>In Case of Multiple Controllers, Ensures Cross-Controller Communication Takes Place in an Offline Situation. |
| | IM-INS944-1-0-GB | **ImproNet Access Only - 125 kHz Tags**<br><br>Includes a USB 125kHZ Desk Mount Registration Reader<br><br>Unit is unlocked For ImproNet Access Only<br><br>Modules Include :<br><br>Access, Graphics Designer & Runtime, Card Printing, QuickTag , Visitor Tag, Transaction Viewer and Basic Alarm Client |
| | IM-INS945-1-0-GB | **ImproNet Access Only - 13.56 Mhz**<br><br>Includes a USB  Registration Interface<br><br>Unit is unlocked For ImproNet Access Only<br><br>Modules Include :<br><br>Access, Graphics Designer & Runtime, Card Printing, QuickTag , Visitor Tag, Transaction Viewer and Basic Alarm Client |
| | IM-INS946-1-0-GB | **ImproNet Access Only - 3rd Party Tags**<br>Includes USB Registration Interface<br>Unit is unlocked for ImproNet Access Only<br>Modules Include :<br><br>Access, Graphics Designer & Runtime, Card Printing, QuickTag , Visitor Tag, Transaction Viewer and Basic Alarm Client<br>Note : A 3rd Party Reader is required to read Tags |
| | IM-INM948-1-0-GB | **ImproNet Engine Upgrade From Firebird to SQL ( UNLOCK CODE )**<br>Unlock Code for Upgrading ImproNet Engine on an Existing Firebird Site to support SQL Server or ORACLE Connection<br>**Note :**<br><br>The Fixed Address of the Registration Interface or Reader is required to generate the Code |
| | IM-INM950-1-0-GB | **ImproNet Access Upgrade From Firebird to SQL ( UNLOCK CODE )**<br>Unlock Code for Upgrading ImproNet Access on an Existing Firebird Site to support SQL Server or ORACLE Connection<br>**Note :**<br><br>The Fixed Address of the Registration Interface or Reader is required to generate the Code |

**ImproNet Utility Registration Readers**

**The Desk Mount registration reader is an Optional Extra**

**The Desk Mount Reader is Available for Either Single or Multiple Site Support**

**Each Reader Has two Hardware Components, Namely:**

**x1 USB Registration Interface that Can Connect to the Controllers RS485 Host Bus, A desk Mount Registration Reader and a 3rd Party F**

**x1 125kHZ Desk Mount registration reader used to read proximity tags into the system**

| | | |
|---|---|---|
| | IM-XPM912-1-0-GB | **ImproNet Utilities - 125 Khz Tags**<br><br>125kHZ USB Registration Reader Unlocked for ImproNet Utilities<br><br>Utlity registration Reader can Connect to any Database<br><br>**Modules Include :**<br><br>Graphics Designer & Runtime, Card Printing, QuickTag , Visitor Tag, Transaction Viewer and Basic Alarm Client |
| | IM-XPM913-1-0-GB | **ImproNet Utilities - 13.56Mhz Tags**<br><br>13.56Mhz USB Registration Reader Unlocked for ImproNet Utilities<br><br>Utility Registration Reader Can Connect to Any Database |

| | | |
|---|---|---|
| | | **Modules Include :** |
| | | Graphics Designer & Runtime, Card Printing, QuickTag , Visitor Tag, Transaction Viewer and Basic Alarm Client |
| | IM-XPM914-1-0-GB | **ImproNet Utilities - 3rd Party tags** |
| | | Usb registration Interface Unlocked for ImproNet Utilities, It can be Connected to any Database |
| | | Note : 3rd Party Raeder is required to read tags |
| | | **Modules Include :** |
| | | Graphics Designer & Runtime, Card Printing, QuickTag , Visitor Tag, Transaction Viewer and Basic Alarm Client |

**ImproNet Utility Registration Readers**

Unlocks Codes Require the fixed Addressed of the Registration Interface

The Unlock Code will Allow the Use of the respective Software module

| | | |
|---|---|---|
| | IM-INI960-0-0-GB | **Impro Touch** |
| | | Allows the enrolment of biometric templates through the tag holder configuration screen |
| | | Impro Touch Supports the RSI Handkey and Sagem MorphoAccess Ranges |
| | | **Note:** |
| | | Biometric units used with Impro Touch Must be Purchased through an Accredited Impro Channel and Have An Impro Unlock Token in order to Support the full range of its featues offered |
| | IM-INI920-0-0-GB | **Impro Vision** |
| | | Allows Intergration of Selected CCTV system into the Access Control Graphic User Interface |
| | | **Note:** |
| | | Access control Events will be Capable of Calling CCTV cameras and Allows for reporting with Both transactions and CCTV footage |

| **Peripherals** |
|---|

**OEM Hardware**

| | | |
|---|---|---|
| | IM-FOL01-GB-200 | **Fiber to Copper Convertor - Multi Strand** |
| | | 2 Channel |
| | | Facilitates the convertion from copper to fiber lines |
| | | **Supports RS232 and RS485 Communications** |
| | | Will Increase the communication Distance for RS485 from 1km to 3km |
| | IM-CVO902-0-0-GB | **RS232 to RS485 Convertor** |
| | | Full Duplex to Full Duplex |
| | IM-LSP01-GB-485 | **Surge Protector** |
| | | For the Protection of RS485 Multi-Drop Communications |
| | IM-LRP900-0-0-GB | **RS485 Line Repeaters** |
| | | Half Duplex |
| | | 1km Extention @ 19,200 Baud |
| | | **Maximum 5 per Line** |
| | IM-OMS900-1-0-GB | **Omni Scan Read Only Terminal With RS232 Output** |
| | | OEM |
| | | Writag 128 Compatible |
| | | **Support The ImproX Protocol** |
| | IM-ACY906-1-0-GB | **Read Write Terminal with RS232 Output** |
| | | OEM |
| | | Writag 128 Compatible |
| | | **Support The ImproX Protocol** |

| **Tags** |
|---|

**125 kHz Proximity Tags**

All Impro Branded 125 kHz Tags Come with a 3 year Warranty against failiure

All Tags Listed Below operate on the Complete IXP range

NOTE : Lead Times are Quantity Dependant. The Suggested Lead times are for the first quantity Break. Quantities greater than the first break will be Advised

| | | |
|---|---|---|
| | | **Credit Card ISO - Print Quality** |

| | | |
|---|---|---|
|  | IM-TOC912-1-0-NN | Read Only , OMEGA<br>Print Qualitiy<br>12 Month Garuantee<br>PVC<br>White Colour |
|  | IM-TOC913-1-0-NN | **Credit Card ISO - NON Print Quality**<br>Read Only , OMEGA<br>NON Print Qualitiy<br>12 Month Garuantee<br>PVC<br>White Colour |
|  | IM-TLR900-1-0-NN | **Long Range Tag**<br>Read Only , OMEGA<br>12 Month Garuantee<br>54x 86 x 1.8mm<br>ABS Shell with Polycarbonate Label<br>Off white Colour |
|  | IM-TKX900-1-0 | **ImproX Keyring Tag**<br>Read Only , OMEGA<br>12 Month Garuantee<br>ABS Plastic Shell<br>Medium Grey Colour |
|  | IM-TKR900-1-0 | **ImproX Rectangular Tag**<br>Read Only , OMEGA<br>12 Month Garuantee<br>ABS Plastic Shell<br>Medium Grey Colour |
|  | IM-TRB901-1-0 | **ImproX Standard Round Button Tag**<br>Read Only, Impro Standard Trinary Encoding<br>12 Month Garuantee<br>ABS Plastic Shell<br>Medium Grey Colour<br>" S " on the right indent indicates the tag is an Impro standard TAG |
|  | IM-TOL900-1-0 | **ImproX Adhesive Tag**<br>Read Only , OMEGA<br>Clear Adhesive Tape with 3m Glue<br>25mm Chip and Coil |

**13.56Mhz Proximity Tags ( MiFare )**

| | | |
|---|---|---|
|  | IM-TMC911-4-0 | **Mifare Tag - 4 K**<br>Read/Write 13.56 Mhz Philips Mifare Tag with 4 K memory Capacity<br>Print Quality<br>PVC<br>12 Month Garuantee<br>White Colour |
|  | IM-TMC912-4-0 | **Dual Tag - Mifare 1K & 125 KhZ**<br>Includes Both 125kHz & 13.56 Mhz Tag Components<br>Read/Write 13.56 Mhz Philips Mifare Tag with 4 K memory Capacity<br>Print Quality<br>PVC<br>12 Month Garuantee<br>White Colour |

**Tag Hardware**

| | | |
|---|---|---|
|  | IM-TCL901-0-0-GB | **ID Card Clear Lens**<br>Clear Plastic Colour<br>Cover Fits ISO credit Card Semi Slim Tags<br>Includes Portraitand Landscape Slots |
|  | IM-TCL902-0-0-GB | **Clip For Credit Card Tags**<br>For Use with all Slotted Tags<br>Includes Metal Fastening Clip |

**RF TAG - 433.92 Mhz**

| | | |
|---|---|---|
|  | IM-XQT904-0-1-GB | **ImproX Quad Transmitter**<br>4 Button Hand Held Transmitter<br>Transmits Unique Tag Code For User Identification |

| | | Built in Passive 125 kHz Read Only Tag |
|---|---|---|
| | | Replaceable Battery |

**InfraRed Tag**

| | | **Infra Red Vehicle Transmitter** |
|---|---|---|
| | IM-IVT900-0-0-GB | Operates with 12 VDC |
| | | Sticks to windscreen or Dashboard uising double sided tape  ( Supplied ) |
| | | Supplied with 1.5M cable |
| | | Polar output Radiance pattern allows good directional aim |
| | | 6m Expected range |
| | | Is compatible with ImproX Infrared Reciever |

## Biometric Readers

### Sagem Biometrics

**All Sagem Readers Are Compatible with the IXP220 and IXP400 isystems**

**The Sagem Reader Needs to connect to the IXP220 Controller or ImproX TRT for Basic Intergration to the IXP Range. This Intergration requires dual enrolment, once for the Biometric System and a second timefor the Access Control System.**

**For the Advanced intergration with with IXP220 and IXP400i Systems which support Single Enrolment. The following is required :**

*The Selected Biometric Reader/Readers ( MA100 and MA500 can Coexist on the same system )*

*An Unlock Code for the IMRO TOUCH MODULE*

*The MSO300 Enrolment Reader*

*Verif USB Dongle*

**For more Information on Sagem Readers Log onto www.morpho.com**

**NOTE:**The Sagem Readers Require an Impro Token which is supplied when the unit is Purchased through an Impro Approved Channel. Units sourced outside that channel will require a token purchased separately.

| | | |
|---|---|---|
| | IM-SAG901-0-0-GB | **Sagem MA100** , Supports 500 users, 2 templates each, TCP/IP, Supports the MorphoSmart CBM |
| | IM-SAG905-0-0-GB | **Sagem MA500** , Supports 50,000 users,TCP/IP, Supports High Quality Optical Scanner |
| | IM-SAG910-0-0-GB | **Sagem USB Enrolment Reader - MSO300**<br><br>Used to Facilitate Central Enrolment Of Finger Templates<br>Connects To The Enrolment PC Using USB Interface<br>Supports A High Quality Optical Scanner |
| | IM-SAG911-0-0-GB | **Sagem Verif USB Dongle**<br>Allows Central Enrolment through the IXP400 to support High Quality Enrolment and Template Quality Check<br>Speeds up print read times<br>Decreases FRR<br>Increases Upload time to the Sagem Readers |

### Digital Persona Secure Log on

| | | |
|---|---|---|
| | IDV-DP402**(NEW)** | U are U 4000B Fingerprint Reader, USB, Software included, Used for Secure Application Log On |

### Access Control Accessories

| | | |
|---|---|---|
| | RE-LK118 | 300KG maglock - 12Vdc 1A |
| | RE-LK118-1 | Z/L Universal bracket for 300KG maglock |
| | RE-LK14 | Door closer medium duty |
| | RE-SW165 | Free exit NO TOUCH sensor/switch (use with 1 way access control) |

### ADLERAC RACK MOUNT  CABINETS (ALLOW 7 DAYS DELIVERY)

| | | |
|---|---|---|
| | D-CAB15U | 15U Wall mount swing frame cabinet,1x fan,power duct COMPLETE |

| | | |
|---|---|---|
|  | D-CAB34U | 34U cabinet,1x fan,power duct COMPLETE |
| **CABLE AND CONNECTORS** | | |
|  | RG59POW-CA | COMMERCIAL SPEC coaxial cable with power (100m) |
|  | RG59POW3-CA | COMMERCIAL SPEC coaxial cable with power (300m) |
|  | RG59POW5 | **HIGH SPEC** coaxial cable with power (500m) |
|  | CAT5-100 | Wirespeed cable CAT5 E (100m) |
|  | CAT5-300 | Wirespeed cable CAT5 E (300m) |
|  | RG59-BNCCRIMP | 6mm BNC Crimp on |
|  | RG59-BNCBOOT | 6mm BNC Boot |
|  | DCPLUG-CP | DC Plug with fly lead, Centre positive |
|  | RG59-BNCRCA | RCA Male to BNC Female connector |
|  | RG59-BAR | Inline Barrel connector |
| **MISCELLANEOUS** | | |
|  | MIC | 12VDC Microphone with pre-amp |
|  | CCTV-WAR | CCTV WARNING SIGNS |
|  | S-WIR | RG59 Wire stripper |
|  | RG59KIT | RG59 Crimping tool, Wire stripper and cutter in plastic case |