

XP-SK32 XP-SR40 XP-SR200K-N

- Standalone Proximity Access System

> XP-SK32 - Standalone PIN Access System

• SIMPLE • RELIABLE • EFFICIENT

XP-SR200K-N - Standalone Proximity with Keypad Access System



ACCESS PORTAL

xPortal

Standalone Access Control System





No	Features	XP-SK32 PinGuard	XP-SR40	XP-SR200K-N Corde Prox
1	Standalone Operation	Yes	Yes	Yes
2	Onboard Memory EEPROM	Yes	Yes	Yes
3	Pin Access	Yes (32 sets)	No	Yes (10 sets)
4	Card User Capacity	N.A.	40	200
5	Keypad	Yes	No	Yes
6	Continuous Card Read when door is opened	N.A	Yes	Yes
7	Onboard Buzzer	Yes	Yes	Yes
8	Firmware Flash Memory	Yes	Yes	Yes
9	Polarity Protection for Power Input	Yes	Yes	Yes
10	LED Indication	Yes (Red & Green)	Yes (Red & Green)	Yes (Red & Blue White)
11	Durable Epoxy Coated Keypad	Yes	No	Yes
12	Power-12VDC	Yes (150mA)	Yes (200mA)	Yes (250mA)
13	Dimension (HxWxD)	125mm x 94mm	100mm x 53mm	125mm x 94mm
		x 30mm	x 20mm	x 30mm
14	Configurable Lock Release Time	Yes (1-99)	No (Fixed to 10 sec)	Yes (1-99)
15	Configurable Door Open Time	Yes (1-99)	No (Fixed to 20 sec)	Yes (1-99)
16	Controller / Reader Mode	No	No	Yes

* Specifications subject to change without prior notice

Simple Design

- Easy to Use
- Easy to Program
- Easy to Maintain

Pin Only Access

- Use 4 digits secret code to access
- Multiple sets of code
- Codes Can Be Reprogrammed Easily

Proximity Card Technology

- Easy to Use
- Reliable Technology
- High Durability
- Just Touch the Card to Access

Standalone Architecture

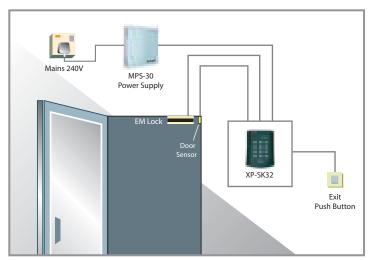
- Easy to Install
- No PC is required to Operate
- LED and Audio Buzzer Indication

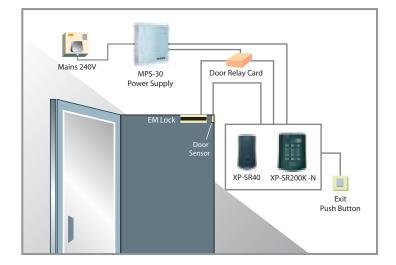
Reliable Technology

- Designed with proven and reliable technology
- Built-In System Integrity Monitoring System for maximum reliability

For enquiries, please contact:

Configuration Diagram







MicroEngine®

Integrated Security Systems



Design for tomorrow brought to you today

o Reade

Plate - P805/C805 Silm Reader EM/Milare/Cepas/ Milare Sector Reading

CBOMS

Minere Goom/



Plato Reader

ΕΛ	A Proximity		
•••	findand II	Pada Anti	- Investments
	Committee .		
1	100 Policites		and had
1.1	Banker Tape	144D	equal for
•	Terf Dyn		14
KU)	(hint)		fee .
h	Treasure (* a W a D)	80.451.70	49,157,116
	lang.		Test
	Washed Fred?		14
•	Assessing from a	1.64	44 Free
	Tanger Server		Tes
1	Warning	. MC	Auto - PC Tecnylara - Arrylin
18	Report -	No.	7.96
101	10	196	1 14
18	toper Voltage	1	(Ver
10	Lorent (Spring)	1758mil. of 1753a	100mA at 111m
•	Operating Services		10 Yahna

Controllen

		-	Real College	Inchi Coltai
1.1.	Department	1	Aller Street	
1.1	222 Industry		Readed Arrive	
1	Analy Type:	1 1665	INTERACTOR CONTRACTOR	CIME
4	Last Days		. 14	
1	hare .	-	19	
1	Cetteral Number Analysis (CAD		Tee.	
1	Configuration Sector		200	
	Concession (Fig.W.o.D)	801.02+10	8013712	BieStefe:
1	1p+++		Fee	
4	Weether Proof		Week.	
11	Ranking Katur	11	The bear	
G	Tynge Seine	1	796	
1	*****	17	Ander 111 Tecnetaria Acada	Roda LPC. Paragelities Area
10	Reyeal	- Sec	Tes.	Per.
18.7	100	Mar	Her.	Van.
18	Input Voltage		7,256bc	
10	Sewerilland.	Amount of States	Shink a long.	Typical of Linux
18	- Operating Temperature		0.10 [°] Canno	

Softwares



MicroEngine®

Integrated Security Systems

Product Catalogue

Attendance Access Security Integration

distant.

weather.

Integrated Security

- Desr / Ut / Car Park Acids * Alarm Manifolding * COTV Integration
- Valta Maxagement + Time A hendrance + Guard Tour + Phalo Bodging

COTY

Alarm Monitoring

· Supervised Inputs • Permi Purputs • 10 Pergramming

Car Park Management

Vehicle Court Control . Co Park Playment Warragement System

Time Attendonce

Deducted Drifts Alter dates Recording.

We want

int team

Car Parking

Connectivity

· REEL · RIALS · Machine · FLAN · Poll · BAL · WAR





www.microengine.net

LITT BORDER

XP-GT3500L / ABX	 FingerPrint Access Control Door Access / Time Attendance / Alarm application Touch sense keypait with dimining bachtyte Up to 3,500 memprates, 10,500 event transactions Fingerprine verification time × 1 second Up to 300 time sets, 100 time zones, 30 holiday settings Access Model - combination of card (6M / Mitane / CEFAS), Tel & Angerprint Connectivity : R5485 / LAN Graphic LED to itsplay programming memor and controller status Built in Real Time Clock with backup forthery
KP-M1000X, XP-SR1000, XP-GTR1500L / ABX	 Single-Door Access Control Door Access / Car Park Access / Time Attendance / Alarm application Up to 100 time sets, 100 time zones, 30 hobday settings Access Mode - combination of card (EM / Mifare / CEPASI & Fin Cannectivity - R548S / LAN Easy to configure Standalone or PC based operation Built in Real Time Cock with backup battery Touch Servic legged (GTR1200L)
Finis Readers	Plato Reader Series • Stmand stylich design • Wrather proof • Using RS485: longer distance sup to 1km away from controller. • EM / Mifane CSN / CEPAS / Mifane Sector Resolving. • Better security with 16-digit continumbers • Touch Sense teypad • Octoor (CD) • Built sector Resolves • Built sector education • Built in thumps
Piece DesFire Readers	Plato DesFire Reader Series Silm and stylish design Weather proof Using R5485 - konger distance lap to 1km away from controller) DesFire Jo digit Card ID and CSN for DesFire Cards Not identification by Card Serial Number for DesFire Touch Sense keypad DesFire Reader with Enhanced Antenna for high power DesFire reading Built-in buzzer

Product Catalogue

Client-Server Based Security Software

- Door Access / Car Park Access / Ult Access / Time Attendance / Alarm application
- Integrated wistom management system
- CCTV integration event tolggered viewing
- Multiple connectivity options: AS4857LAN / WAN / modern shall up.
- Bullt on Microsoft NET Framework & supports different Catalogie ver SQL Oracle
- Flexible digbloyment web client application client.
- Eventseble to one for new-standard/regarements.
- Cross glatform comparibility only web browser impaired to specific
- No special configuration or stranges are need on user's PCs
- Eavier support and mannesurese
- · Online event on web page & online interactive floor plan on web page.
- aPostaNet HS DesFire

Encrypted IP Controllers

- 1/2/5/10 encrypted IP based controller
- Large capacity up to 100,000 card users, 200,000 event transactions, 1024 doors
- Encrypted IP communication (Push Based)
- 16-digit card numbers for better security.
- Bufft-in supervised inputs
- Supports Door Access, Lift Access, Car Park Access, Alarm Monitoring, Guard Tour & Pacility Integration
- Hantware controlled global anti-passback or Peer to Peer Mode.
- Multiple door interlocking
- Emergency / fire alarm activated door release
- Web based diagnostic
- On-site firmware upgradable

GLS130/GLS300

- High Security Controller
- Supports DesFim Plats Readers
- 64 bit Card 10 (20-digit)
- Not identification by Serial Number
- Records both Card ID and Card Senal Number in event log.
- 10,000 card users and \$0,000 transactions
- Software configurable credential setting.
- 10/160 Base LAN.

Other Applications

- Alarm Monitoring System
 - Up to 2048 supervised inputs, 1024 miny outputs
 - Alarm instruction programming
 - Software / hardware arm/dinarm
 - Schaduked ann / disarm
- High Level Lift/Elevator Interface
 - Smart lobby with high level interfacing to selected elevator brands
 - Integrated access control with traffic management to provide better over satisfaction
 - Configurable mapping for access setting to lift controller





















SNET-E32R

MM-PC-1708

SNET-E248

Product Catalogue

xPortal3000	Access Control with Time Attendance Software Miles Sector Reading Door Access / Lift Access / Time Attendance application Supports common office attendance repairmments Supports common office attendance repairmments New User Interface with built in diagnosts Scheduled Itackup Scheduled Itackup Scheduled Itackup Diser configurable explort format to payoul systems Configurable software menu access level Diser Serier design up to 3 clems Built on Microsoft NET Frameworit Multi-Database for esse of managing transfes Operates an Firebird idnates empre
XP-SK32 / XP-SR200K	 Standalone Access Control Wide product range Prin only SP-SEQUE (32 esert) Card + Prin SP-SEQUE (200 users) Easy to use, easy to program, easy to maintain High quality ABS casing with epoxy coated keypad Built in polarity protection: Internal system integrity monitoring Induble and robost design

About MicroEngine

- Established since 2000
- With in-house R&D
- Focused in Integrated Security Solution
- Provide technical support
- Provide customisation / tailor made solutions

Singapore

MicroEngine International Pte Ltd. accomments

21, Bukot Batok Crescent, #11-81, WCEGA Tower, Singapore, 658065

Tel: 1-800-570-8832 (within Singepone)

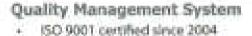
Malaysia.

MicroEngine Technology Sda Blal (199900-01)

Unit 11-0E, Block A, Philen Damansara 2, Section 16, 3n 16/11, Off Jin Damansara, 46350 Petaling Jaya, Selangor D. E., Malaysia

Tel: 1300-88-3925 (within Malaysia)

Email: enquiry@mcroengine.net Website: www.tticroengine.net loncifications when in change without pair notice







Management & ILD Centre

Soles & Service Center







Factory



www.microengine.net

MM-PC-1708



Integrated Security Systems

xP-01.8300

GLS130 / GLS300 Encrypted IP DesFire 1 Door Controller

IP High Security DesFire Controller IP + Door + Lift + Car Park

- ••• DesFire Encryption
- ••• Card ID Not by Serial Number
- ••• Support Door, Lift and Car Park
- Encrypted IP Messaging
- ••• 32-bit RISC Processor



XP-815130

DesFire Support

The controller supports the latest high senarity and for bringing peer systems to a higher level of security. Many systems in the market runs on older generation of card technology with or without encryption and can be easily closed. The Deafine card encryption is the latest hum Milare and the encryption is landened for up to dam protection level to your premises.

Card ID Not by Serial Number

1

The Card ID is created using the advanced encryption algorithms built in to the Millere DesFee card.
 To read the Card ID, the reader mends to perform a few levels of encrypted secarity exchange. The Card ID shtained by this method is very safe and secared. Some systems in the market only read the Sectal Namber of the card, which is unprotected or open information. This is not the sometic and second way to use the Millere DesFee feature.
 The Card ID of sor system is 64 lot or 20 digits. This provides the highest security level to your systems. As the security algorithms is very complicated, our reader use 12 bit provides the highest security level to your systems.

Encrypted Messaging

- The messaging between the controller and the computer is encrypted with dynamic keys
 using the AES128 inductival strength algorithm. This is to ensure that the controller does
 not subject to attack from network nearly as the networking environment is very open and
 sometimes difficult to police.
- * The messaging between the readers and the controller is also encrypted to ensure that the communication is second.
- The card reading is done by encrypted exchanges with the iniplementation of advanced Decline encryption algorithms.

Supports Door & Lift

The controller has been built for high-and integrated security applications it can supports door access control, nar park access control and HI access control.

You can configure the capacity of the system by adding notensien boards.

32-bit Processor

 The controller uses the 32-bit RISC processor at BOMPIs. This is a powerful processor for industrial applications and it enables the system to process complex applications such as modern secantly encryption features in real-time manner.

Housed in Strong ABS Casing

1000

The controller is housed in a strong ABS casing. This casing is wall mount result by using the screws in mount it
 directly on the wall.

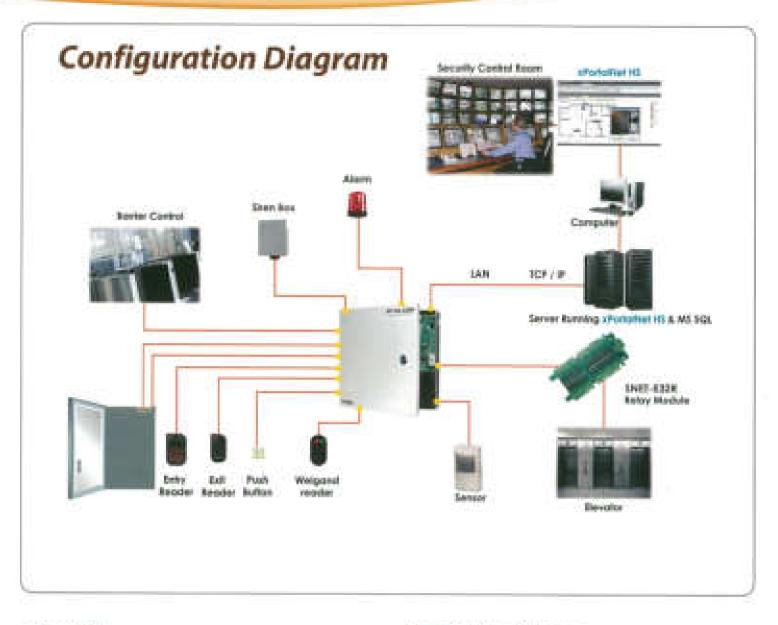
. It is also DIM rail mount ready if you wish to mount it this way together with your industrial equipments.

Live Remote Firmware Download

Permisare can be downleaded live from the application software via the IP scientace.
 This helps to improve the maintainability of the controller at sits. You can opdate an opgrade the formular from the computer at via without reading to open the controller bars or bring the controller back to service.

1000

GLS300 - DesFire Access Controller



SNET-E328

SNET-E32E - 32 Relay Output Module			
44	d imposil for Ministern to	sekal ışıfada	
3	and the second s	Tethen	
8	May Delpot	32 (Keing Baring - 54)	
1	Didney Logi Separate	THE	
8	Power Requirements	121/8336	
1.1	Commission	82483	
6 C	all'industry	The .	

Plato DesFire Readers

MM-GL-1708

) Feature	Para Strifter Frankris Aradasi Para Strifter Frankris
1	Carline	Million DesTrue / DesTrue Dr.V. Million Sector
20	Terranet Cart 12	The first financial first Second Subsection in the Card
F.,	Recepted Baseling	Nas 1
4	Certifitity Sector Number	Marine V
٩	BMBI to Coreshe	Technogeneti
•	Renaue .	1210 Wild for Yushel Response Time
1.5	Tanger Switch	The Physic Reductance Cartinal Type:
1	UD & Bager Halans	and the second second second second
÷	Regard	No
		High Samithers Tough Same
₩ċ.	U.T.	The Straphers
11	Designation .	Witness of \$7 mail is before



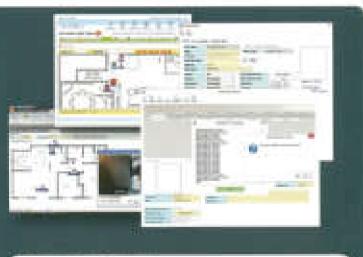
GLS High Security DesFire Access Controller

	Mig of Diseas Mis of Readers Wingert Bander	Pres			
8 3 4 8 4				Carolana	Tax-Up to 20 Chorn
	Warmer Barden	Man 3 Prophers (Piper Ded in a Reader)	1243	Summer 1	These Municipality Access of Las Party / Marrier
in i		Man 2 Wagnest 28 for Baselins - for Low General	100		Managering I Gaard Mary' Starst Management -
	Containing in PC	CEAP Anorypeet PlasmAdd 128			CUTY Imagestion / Timp Atomiana
	Committee of Realister	Rietz - Hand Rid Router Branswell	1.1	Card Holizy	206.008-00 Digital
	Card Hoter	36,000 (04 bro/35 depent 100,000 (04 bro/25 depent	SACT 1	Card Series Remote Record -	This, The symptry increases the next has all how has
•	Sec.12	Territoria and Territoriant with Dealing Algorithms			ingitter with the Card III
6.7	Card Send Rowlins	Passe and ingettee with the Card ID	1.1	Dathis Card Proposition	Tax. By using \$12-28454927 \$421 desires
633	Personal State	10000			pring specify by
	Tong Sening	218 York Sets / 215 York Deverthanhamma averance	10400	Card an are Destin	The later and south an art of their size including their
ñ.	(Helder)	30(2 mm)		Second Second	The string one an excepted or the computer
ц.,	Separate Sector	It happeneers they be be added		Bachine Lord	Millare Classic, Millare Desilite, Millare Deallier In-
		1 Time General + 1 See Burners	10403	ion from Lad Lanet	. The bat has party optime through the
		- 1 Divide unnet First Alarm Trajot			Controller Wagers (and)
		T Carligenshis as basker Temper, Desergence		Its of Door Pleasants	1939 Denny / 2000 Readow
		Breakgian Montres of Densiral Purpose	100	Installingung (Dergons	TREE Instead, 7 1923 House a
181	India Katay Oxford	4	11	Tone Set / Yore Zane	1014
18	Real Tree Creat	Ter-with and see it hardway	201	Second them	(internal and int
11	1934 Margan	the framestic process of	13	Saltean Aven Cartral	Yes the Configurable Command Land Access
14	From Fail Manine	Sec			Control
11	Date for Persons	Yes, Write They ZAT Shine forces	144	First Flat Synam	Tel: Facanci & with Canasa hore
		Township that he fill there provide that	196.	Talahase Supported	Ark SQL Server / Onicite
0	Die Temper Opposite	Yes - Described How Both Schware	1941	195	"Classic Withdows Differences at Children and
19	Depopule	Ten - Hirty India with based general	1000	and the second	+ Deves Windows Server (108 / 2011 Set termi
18	Debaard UKI Tedlaating	Tes	117	Communitation Supported -	109/102/1019
19.2	Statute of Bankpoor	the second the second second	14	Canadia Subsected	If Electrica Lobics Conservation
28	President	Marking Statute and Statute and State	100	140 (N. 141 (N. 1	+ 010 800 (10,000 Users)
		at 80040+a	1.00		+ 042139 (30,000 (2000))
141	Casing Domessia (1981)	Little and a state little and a state			+ CLERIN CHILDREN Unaver
14	Pawer Consumption	12VDC at 805mA 12VDC at 958mA			of Designer & Base Constraints
	(Carrister load only				+0420000/000.000 (ameri)
	Trees Officer	The DDA Artist Areas	11	Madul	4 offsetables HS-4.8 Unit
	the second s				+ physiolite (4) +1.6 lineside 4

autos

Ordering inhermetion

1.07 GL0100ad If Dedica 3 Deer Conversion (12,000 Card Human) × 37-011736-4 PEerfine 1 Devel Commilier (00.000 Card Holde) 1 11 100 200 total Windto 1 Sam Converter (195, 200 Contributed) 15e-108 12 Notes Dotynai Totemdon Beard ٠ Plain Mary Arts Skines / Million Bashes Assess 1.1 Press Inddang (Millers / Millers Teat for Reader with Talwas 1272 and 8 Tatals Service Respand. Miles Define Lod 141 The International Contract of INFO-DRAVEDY SALE Miles Dehits Debhy Programming Date ٠ 1075,522 Freez Supervised with Charges & Los Forme Could. ÷ NOG-HEADER. Breisten und Laus allette. 12 Rectagin the Local Colleges 1005-1007 Building Wilds have Burtons 10 10.1 period and BOOM Day Laws USB-attest report Arbas Orbitative VI.8 Sectores of a 11/28 Gas 14 3 Claim Vectors, Vip vs 228 committees THE LOSS STRATEGY AND CONSISTENT ADDRESS OF A DAMAGE STRATEGY AND 11 June 10 kp to 200 contractors Sale Sections USB OTHER HERE & WE uPursilitie HEVUBPS respectan Schweiw die 3 Kes 100 - 3 Clare Versian, 5 h re 330 sameriteres - Data permittening is APL6 CCTV trengration



Ny angulles, pieces contact.

Configuring the System

The system is powerful and highly configurable, kindly contact, our representatives to assist you to configure a system that, suits your requirements.





MicroEngine_®

Integrated Security Systems

SNet V4 Controller IP. High Capacity . Better Security

IP Based Multi-Door Integrated Security Controller IP + Multi-Door + Lift + Alarm + Car Park

- ••• Modular System Extension Board Based
- ••• Centraised / Distributed Architecture
- ••• Multi Access Group
- Supports Door, Lift, Alarm Monitoring
- *** 32-bit ARM RISC Processor
- · · · Alarm Monitoring









IP

Door Access 3

1004

32-bit ARM Processor

Lift

Distributed Architecture

Guard Tour

Alarm



Modular System - Extension Board Based

The system is designed to allow you to entered the capacity by simply adding extension boards onto it. This gives you the cost advantage when you are implementing minor capacity upgrades. Measurer, the entersion board board design provides a constituent architecture in the system and the promotion better maintenance quality by reducing the system learning time.

Centralised Connection

- The cables are incremated in the controller. This allows faster data processing as marsher of data are all done onboard and the needon are directly connected to the controller.
- Centralised convection also promites better deployment and maintenance quality. The engineers can perform the impection and service of at one place and this can help to reduce the cost of maintenance operations.

Configurable to Distributed Architecture

- Where remote interfacing of door / reader or I/O are required, the controller supports these remote interfacing modules (RM) that connect to the controller using RS485.
- This is a flexible and powerful controller capability that gives you the benefit of both useful cantrolized and distributed architecture in one ben.

Supports Door, Lift, Alarm Monitoring

- The controller has been built for high-end integrated security applications. It can support door access control, car pack access control, lift access control and alarm monitoring.
- You can configure the capacity of the system by adding extension boards or revolute interfacting readules.

32-bit ARM Processor

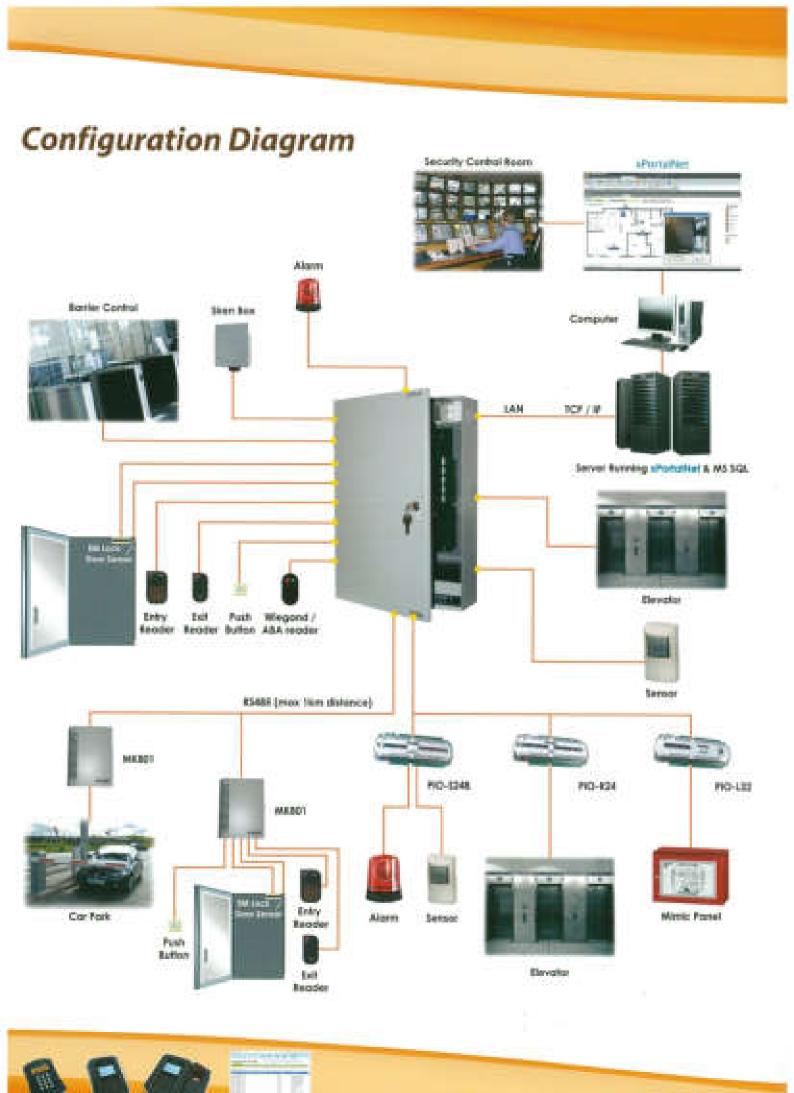
The constaller uses the 32-bit ARM RSC dual-tore processor at 72MHz. This is a powerful processor for industrial applications and it evables the system to process the complex applications in coal-three maneer.

Onboard IP with Encryption

- The controller is equipped with LAN connectivity at 10/100 Base-T using TCP//P present.
- It supports parts haved conversionless to computer har faster data transfer speed.
- The P communication is anarypted using industrial standard AES528 for secared communication.

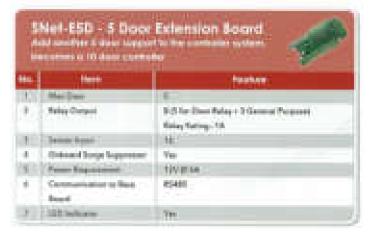
Remote Firmware Download

Formware can be downloaded from the application software six the IP interface. This belos to improve the maintainability of the controller at site. You can applate or approch the foreware from the computer at site without needing to open the controller box or bring the controller back for service.



SNet V4 Features

	A Real Property lies and the second sec	(feating)
	Max Case	Antesta
	Balay Durput	8/5 for Desc Rates + 3 Gammal Purposed
	(111) (111) (111)	Salay Salary - 16
di.	Talmar Ingest	14 Insurant dis Timp Status in Daries of Fermion
		Yes (149) 100 Been 7
	Bases.	· Berligin durte Nausses Max 1811 Some + 2 Aus
		a bellegande of State Designed (March
	Canal Part	Ter. Control Control Control
	12 - 14 - 14 - 14 - 14 - 14 - 14 - 14 -	· R1483 to Beente Interface Machine
		. 15485 to Estimate Blands with Galpar Mercan
	Sed Navdetlanget	Up to 18 Days
	Max Caref Dill	35,800 / 50,800 / 100,000 *
6	Max Domainson 28	THE AREA THE AREA THE AREA
0	These Dasse	115
¢į.	Jine bei	193
6	Multi Royan Grava	You B Across Group per Card Humbert
6	Stat. Late	111
0	Colal Anti-Paniturk	Tee
0	Television of the local data	Tan
0	Access Marke	1. Garantee
		1. Card Only
		1. Particular
		4. Pully Cells
		S. Regarante Dela
		8. Said (Pogerprin
		1. Reading reprint
		R. Aussissante Local Balance
i.	and the second second	C adden Aurent
1	Witnessing Strengther	Yee WOITH
	Toleratory	Martin Witness on Baseline
1	And a second sec	Over-Chill - Children Property
		Other PETR / ET Renar Discourt Reserve
		Chart 42421 (31 James and Josef 9 8 Know
		Carped Based
		1000000
		Maxiatemper Samettal
		Cillineary (128 Insure + 128 Octaviti
13	Report Remote Interface	No. Georgenit
	Advantation .	Green Inter Race Vent (Man 108)
		AALBOX Reserve Interfaces
		100 Cantroller (Max HE)
		PO-S248 - 24 Superiored Input / 8 Output
		P43-838-31 Relay Octput
		PULLED DOWN TO MISS Parel Line
		al characterization of
		Machinesen Capacity 10 Deces / Mill Inputs / Mil Dates in
er.	(Bernarder)	All M FOC Dust Care Pression at 11Mile
2	Press Read advant	17V if 10hod days based Drivy
ġ,	Crimed all I have	The state of the s
1	Annual Pressors Update	You - you has done through application influence
		and the second se



	bord	after and them unbed tomm
	and the second second	IL PARTY AND
	Terry Courses	27A Martin
		Roley Rating Int
	Onlined Surge Supportant	Ter
Ċ.	From Repairment	52V 07 24
1	Communication in Rave Record	640
eri	1017 belle and	The

		Able to dataset the large hyperical suit is trappend
1	Rengturput	 A state of the sta
	and the second second	Adaptures: 1A
1	Owned lays Lawrence	feet.
	Perer Reprinted	Test TAV B TA
3	Communication Raw	648
٠	112 Indiator	944



* Department of Mashal

SNet V4 Controller

Plato Readers

Stylish and high quality card reader that provide flexible connectivity



Remote Interface Module

Flexibly allows you to extend the capacity and distance

Door Infedoce Unit

	(feet)	Feature
	-Great Part	11040
		I to Looseville
		.t un Wernfagter fermennt
	Astry Depid	1 Diving Entrop 1 (A)
e	Astry Deput	1011 mg/ Phay
	ARRIEL .	Comment State Contraction Community in Ministration
		Builder & Weight / Abh Partie Linieting to
		Built Farly Basters
	Debased Surge Supressor	Ten
cii	(Distance)	(Yesting over
	Paners Recultures and	121 (2:554

	Controller IO=L32	
	2 Minute Frankrickt Deliver A	
D)	Contract of the local division of the local	feature
	Canal Part.	18940 (accomment
8.1	100 Sintan Dotparts	10 00 44
1	Dipla hart	I the brecheby with Key Sorthad
۰.	Ordered Surge Suppress	the second se
1	100 Indication	Ter
6	Free bearsnes	TEVERSA

PIO-5248 Mail Parates Address Parati State 6 Oct Medicals			
	See.	Hinter -	
	Earls for 1	1 (040) the Exemple (
E.	Supervised Super-	24 Alter to detact free being Texamond, and at 2 Supported	
8	Roley Overset	Tilling Romy 14	
4	Deleted Days Supreme	1.10	
5	100 industor	a fleet in the second s	
	Free Represent	10281.54	

	10-R24	
Re.	hit	Peorine
12.1	Coron Part	140480 (to Concollect
1.	Ayley Output	34 Bole Rating-19
	Distant Surga Suppose	er i ter
	LUU (maliarate	1m
	From Requirement.	THE PLAN



xPortalNet v1.7 Security Management Software System

Moto Fee

(111	the state of the s	Testeres (6	in the second second	Andrea Andrea
100 · 100 · 100	Elections Spram Continuous Nacol Dour Planders Nacol Spram Plantas	The - Spree Di Drawn Door Access 2 Mit Access 7 Tax Bark e Asses Harvering 7 Doord Tax 20000 (N Drajni) 1234 Doors 7 2048 Reador 1234 Name 7 2048 Reador		C219 Integration	Million Magazi Brand DVM I MAR - Francastoni Annual Line Victori Pape Day - Autore Sterosoling Trapper of DVM / Hold Based are Configuration Transactions - Holes Asso on Paper Base - Paper Victoria Monorary Restore Transactions (eq.)
	Tona Sec / Tona Barra Aparam Dana	NO+	-	Goard Sam	Ontere Statest Face Typesers + 128 Routes Versy Reader / Ingest Patter
4	Selfourie Acces, Danieri	Yes - One CarRige and Carmon Carried Asses Control	141	South Management	Alizen Deservation Victor Territory
120	Name Plan Systems Database Supported	Yes: Dynamic & anti-Communities MEXER Invent / Dracks		Speen	+ M.S. Class School to Value Representation and Factors
14	(III.)	History Westweet 1 / Withhard 8 Pro Windows Reve			+ Onion Water Scient Course Buchlis / Anny, Courselaing or C Paulor Property Pauloi
0.	Metood, Nat. Commerciper Depresed	Tes VESTER / REARS / Manual / USP / TER CATTR			Camera Channes Captore Report Known Face
14	formed in Support	+ 19ker - 19 5/10 Dear with Alarm Disamaring Handles Accelerations Connolation + 91000 - Terropping (P Pel 1 Dear Carlordian			Autope Sate have Card Decisions with Bate Says Card Traventies Report
		S1000 - Energiesel # 1 Date Controller M0000 - Designed # 2 Date Controller C1911000 - IP Single Date Controller	Ċ.	Plate Ballying Saters	Huma Badga Danya / Temptera Createra Accentate Photo Badga Image Coastan ity Card Human Into
		+ G12308 - M Single Steer Programmer + Cavel Reader Controller		Mail Same Berry	Constructional Addresses Comparest April 28 & Terret Lag with a Marini fairwer
10.1	Terebrahane	Tex. Nor. Gypraph	4	Use Pantneing	OS / Noise Partition Assignment by Taxters User
-	Real Time Estant. Minited	Yes- User Carliganskin Postaline V16128, shorafter 913 (anishi) shenation V16139, shorafter V18-5	1	Web Tone Administration	Web Broader Interface Lines Management / Henry Vest Broaven
	Webshared	Unit informative parts had when Based UP and Online Membering Sensor	1.1		Be adverse and a request of the stores of previous US-locent weater and previous matching representations by Ushar Statications





N6.	Contraction of the local division of the loc	Textures 1
	17.124415-4	1910 See Des Cartalia
1	87.576er18-r4	# 10 Date 1944 Complian
3.0	AP Revealed	LDue Internet Road
	87-59m-E328	M Reise Despit Generati Reput
9.7	101-0144-11100	24 Separated Land / B Faley Corput Streams
*	PO-1248	34 Separated Input / B Relay Degut Module for Asire Discountry
10	PD-634	29 Adap Days of History
	P0-68	33.420 Driver Datavi Module (he Minne Parel)
10	64.81	Description e vices
10.1	Pater/901	Pressing lands
	Part PROFILE	Remarkly Analysis and Tauch Series Report and Colors and
19.	Page-CR045	Million / CDPHS / Million Sector Reading Reader
想	PHE-CHIES	Mularia / COCKE / Million Sector Reading Regilier Web: Trank Terror Regard and Colour ICD

12		finders
.14	MPS 111	Perer Lapp Unit and Charge and Los Perer Card
14	AMI-AREAS	Berdiget Extract states
140	MAS-12003145	Writight Orlan, Utilitie
10	AAL/RES	Revillagile miche Tare Narrosti
18	0.000.000	RESIDENCE Transmit
	MFC-180	RosentyCard
100	ARCSIN:	MARK Cont 110
1	MC. KHATATE	Period Server, Planning Management Self-server Holds: Once Taxanal no. Net Technology
	HC. STATE	Annual III B Web Barnet Denorty Hernagereen Latheren - Web Barnet - Danaer on Yoor Tachmertegy - Lat Web Barnet Hernitage - Managereen

For emission, presse contract.

Configuring the System

The system is powerful and highly configurable, kindly contact our representatives to assist you to configure a system that stats your requirements.

SNet V4 Controller

Plato Readers

Stylish and high quality card reader that provide flexible connectivity



Remote Interface Module

Flexibly allows you to extend the capacity and distance

Door Inhefoce Unit

MK801		
a New Sector		
	-Cases for	T PINPI
		1 is formalie
		T to BETSTATE Frances
	Balley Deraine	4 (Aulay Among - 19)
	Regimes	all test they
		Distance & Cold Franker Conversing to Review
		Stanlars & Weisgard / AMA Part for Discounting
		Int Party Readers
I	Online of Serge Segreene	Yes
	(HD) and agree	Television
	Pergist Responses	10/0.554

I/O Controller

PIO-L32		
146 C		Testus.
121	Careful	Status Generality
1	HD Driver Output	83-030-mA
1	Digital hand	1/ho briefsing erroley betchet
4	Colored Surge Supposes	Res
100	100 million	See
4	From Reprintent	STYRESA

PIO-5248 Mott Pupper Alexan Parent			
	Terr	Testure	
	Lane Pat	1 TUBE (a Loweshe)	
1	Topenhad Tope	34 Able to desarr live heirsy hassestil, not at relationst	
1	Colay Concess	B (Being Raining 18)	
۰.	Geddaeth Sorge Suppressed	Tee	
٩	10 productor	- 944	
	Press Regiments	TIVE U.SA.	

PiO-R24 St Nature Contract Montalies		
125	Sec. State	Heddate
11-	Lana fait	1 85485 by Castrolled
1	Raday Doppet	38 (Relay Rating: 1A)
10	Debug Surgi Samuel	- 1942 (1947)
. 4	100 Mohater	10
4	Print Regularisation	12/01/54



www.microengine.net

2015 Aug



M-Series

	Series Controllers			
	(Peutone)	X7-403000	8.P. W 2000	
1. 14	ki d'Eterre			
1 11	to of faciliary	Max 1 Rowters ("Safe Readers) - 1 Prov 1 1 San	Advant Banders ("Sillin Banders) - 2 Statistic / 2 Salar	
	Figure / Mill Reader		Vai I	
10	24 of 14 miles		Res 7.1 1942	
i i	Server States	SUME- Parks Parks	Terrine - Millionation - Million	
- 6	and Photomer	10.000	16 digitaj	
	and a Table		AND COLOR STREET, STREE	
1	ina forma	2017 Time at 6-210 See 2	Seni (Me. Accum (sevel) insing	
1.18	white .	and the second se	Line of the second s	
6 h	Prof. 1	"A Supervised Digital Desixtation - 1 Steep Senses + 1 Set Butters	10 Supervised (Depart Switchging) - 3 Date Service) + 2 Bot Rotans,	
T		 Homograph New Agares Inport, 2 Configurable on Reacher Turrepre, Enveryoning Resultsplied, Manufacture on Canantal Programs 	1 Restanted from Harry Input, 3 Configuration as Reading Farmyon, Enveryonaly Brankglack Maximum as General Parpose	
110	tion Balance The Incident			
1.6	and Roley Desputition	Re(1)-Configuration	Twill Comprise	
016	mapping Pr		erx 128	
0	Interior Participa	Ter. 104	Sher GAC	
114	and Trees Theorem	The case De	Aunor Revenue	
6. 14	WA Indepint	Bit Supe	il Dynamic #	
ei k	mark Fall Mannator	The well front	Long Mentaling	
e. 19	design to get the second	Demind 1	ton Tortman	
10	(against	The Davy Ref.	in Web Annue	
0 0	Print UD Industry	Non-Arant, Conant.	Rev. Disgonante, Fran	
1	Start Barry		TT	
	in oth other Intelligiet comothers	9 4		
	and the second se	HEARING PECTS IN THE PECT AND IN THE AVER		
4 N	farren .	Program (NADA) (1010) (241)	LEOPHONE STATE SUSSE AND	
87 W	Ci Baar Desease	Miner Dis King Diff		
6 5	alter Parameter	105-cm 34) + 217-cm (94) + 75-cm (22	225mm (H) = 285mm (W) = 95mm (H)	
1. 10	Carl Constantion	Type any All to A Controller Section (Conji	Topically Bill and If pression that y Daws	

Configuration Diagram



www.microengine.net

2012 Dec



xPortal3000 Multi Function Access Control System

Flexible • Efficient • Useful

I KAEB I

2.0

- Mifare Sector Reading
- Standalone or Multi-Warkstation
- Build-In Attendance System
- Car Park Access
- Reader with Keypad & Colour LCD
- Upgradable to be Used in Multi-Door Network System



Plato - PBOKLS / CBOKLS Sim Reader with Youch Sense Keypod. Calour Graphic LCD



Plato - P80S / C80S / C80MS Sim Reader



XP-GT3500L / GT3500ABL Reader with Touch Sense Keypad, Fingerprint, 1CD & Built-in Controller & LAN



XP-GTR1500L / GTR1500ABL Reader with Touch Sense Keypad, LCD & Built-in Controller & LAN



Reader with Keypod, LCD & Sult-in Controller

System Supporting Features

Hardware

- Proximity / Milare / Milare Sector ReadingTechnology
- Reader Unit with ICD & Reyport (Colour LCD Reyport Available Posts)
- Built-In Controller Function for Memory & Time Control
- Supports Ent Teasler Unit
- Supports External I/O for Interfacing with CCTV / Sirena
- Keept Transactions Data even Power Falls
- Encrypted P Convolution
- Ean Program Directly at the Reader Keypad (or Iron PC Software).
- Can be Linked to PC through IAN / Direct Serial / #5485

Software

- Supports Time Set & Time Zones
- Supports Transaction Recording
- Supports Transaction Memory Retention
- Can Program Directly at the PC Software (or the Reader Keypad).
- · #Portal3000 Software with Access Management Automatic
- Data Collectore, Time Attendance Function, Client-Server Version Available
- · Berver Russ as a Winshows Service
- Multi-Language

Time Attendance

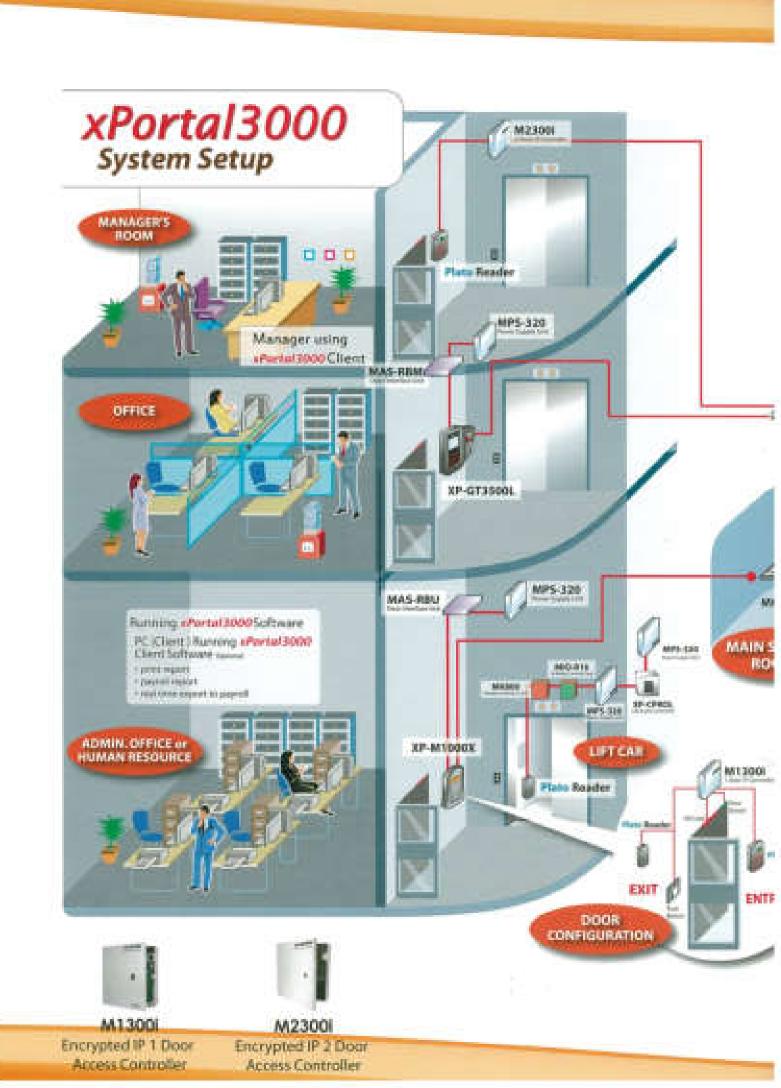
- Designate Specific Reader for Attendance
- · Support Attendance Donr Group by Staff
- · Configurable Export for Integration with Payroll System
- Coshgurable Shift Setting.
- Supports Resi Hour

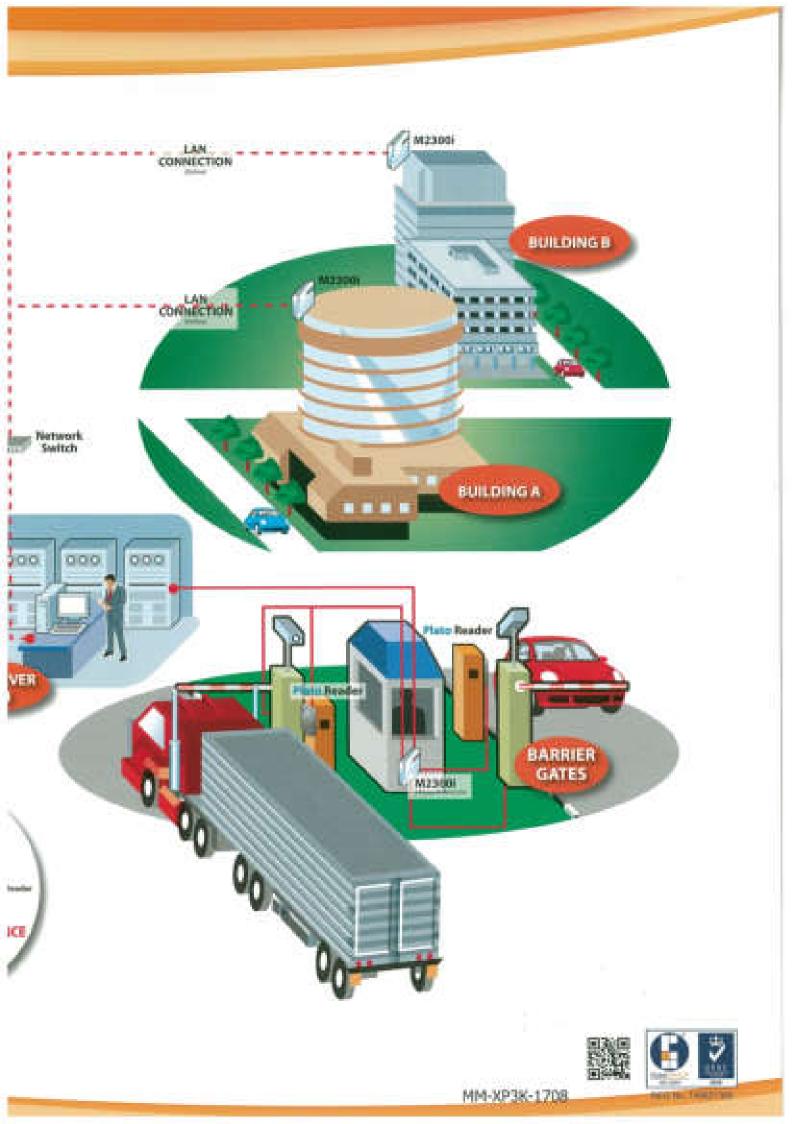
Car Park

- Supports 1 DV and 1 OUT Reader
- · Supports Car Park Vehicle Counting and Control
- * Supports Car Fank Full Sign Activation

Fingerprint

- Haliable Optical Fingerprint Seman
- Supports Up to 3500 Templates
- Can be Used Together with Caril Access Trystern with Same Software
- * Multiple Operating Modes Fingerprint + Card + Pin Codes





88 (C)	3441		New York
		XP-GTR1500L / ABX	XP-GT3500L / ABX
11 15	A Unar Mariney	1.54	1.500
1. The	warten Brearde	18,000	20,818
i in	du 1814 Bancher Augunt & Countering	8.m	
6 (Bal	lai in Cart Roader	Hose : BAA Carol (Milliper C	and / CEPAS Musici Analishis)
8).) 41	ant Diservities Manin	Contrary Periodic Contrarent	Canal Dody, Sand + Hos Hospitanois, Canal + Programmer, Hitle Companyons, Canal + Pills + Programmer
1.17	anyone Template Cause by	(1996)	Teld:
T. Ba		- TEX. All Respirat Display with Said Light	104 a M Graphic Propins and Back Jupic
8 (ins	pad	Tauch Sense Regard with Back Light	Touch Serve Reppied with Back Light
	e Ser B Rose Low		A CONTRACTOR CONTRACTOR
	Inter Dates.		33
	e.fyi		ta Serai
	to selling a state of the second s		Tax
15. 174	Park Minds Runs not herry Readed	194	in the second
14 Late	Appalar .	a.	Yes, the UAL KKV is variant the been and bet the
H. Jac	Aut Bater	- National T	Ver bier Cleand In All Control Control
16 Jun	put Wegeld 38 Int Basis		Tes
O. See	Pankara		Ten
n de	matter Operation Plants	Access	Euriped Marsha
W. No.	server Programming Transph Report & VCD with Restmin		Tex
	I Carterol, Door Server & Latt Byttoni Super	Yes - Through MAD #BAI 7.5	ANI JURI Lineared Inside the Dent
	Provemble local Robins Cons	(Tar	2 Pf mm
	Riger while Diver Direct Trave	. Tas-	Effine .
11 140	wind Barrate Tate Zow	744	
14. 140	wer tij Chargest	The	No
1 . 24	a Tari Menag	12000 0000	
in des	to a f balan	Yes	
M. Ce	Charles and Anni	REAL PLAN.	REARCOMEN
	the Exhibit to PC for Getware Commit		Yes
(1) I the			12VDE
II De	and the second se	PERson Del a 121 mai (M) a 12 mai (B) II hano (H) a 12 mai (H) a 12 ma	

Ordering Information

	Barris A	Neither			
۰.	THE STREET	Name or Press by Rander and LCD & Report 7 x MS			
		Auto in Consolar Function, 1/681 (Juny, 20/28) (Tananaram,			
		Trend largers			
1	OF STREET, SHE	Frequencies Ablance / 128785 Reader with UED in Respect 51876			
		Bulb in Controller Fountiers, 2:552 Lines, 20:000 Pressantions,			
		Trailing			
11	044/101000L	Propinsing Random and COURS Include Descald & LON			
		URD Last Lines, W1000 Damasiness			
4	10-1211100.000	Matter (100%), Reader with U122 & Tares's Series Targoud v UAS			
		1,000 Cerd Users YURD Statistics			
la di	37.42540	Pressing Reader			
۴.	IP-ROWER	100714402 A/R Senat No. Reader with ARD Earing			
10	19965-0004	Tank Salay Lieu Lie Million & Grid.			
8.	1045-8889/1	Dear Interface Unit for XP-GE2000 Regregates Reader			
1	MOMENTOD IN	Randows Infeasible and in Containing Spin 44 Daniel			
		AP MODER, XP 4270000, 0P 427073800, 0P 42900 Lawrence			
10.	HO MCMM	oPartal 1800 Chevel / Server Software License			
		Mai I Deet Mar UR Deet Mar M Commben pet Schows			
(0)	445-100	Advantages United and Line Press Land			
12	MP5-100	Reserving Card			
$ 1\rangle$	MICON.	Altheory with the Land and a second structures			
14	86-8610808	Receipted IV 1 Divis Access Controller (10,000 Card Univ)			
10.	NP MIDIO	Recognition of a Dison Assess Communities (100,000 Card Scient)			
14	18446000	Recepted #2 floor Acces Controller (10000 Cast Unit)			
11	18FA0300C	Recepted of 2 State Rooms Controlled (10000) Card United			
10	Plate PRR	Province Sector (Sector)			
10	Fies 100013	Prevening Reader with Tarich Same Vergoet & Comm 112 (Securit			
35	Piero-CR01	Advance (1994) Reading (Second)			
10	Hes DIOMS	Indraws / CEPMS Reading with Extended Actionny Byrthe Partnersons			
12.	Plans CHORES	initiase / TAPAS Reacher with Tarach Samuel Respect & Calinor (CEI			

Computer Requirements

465.	System	Ingenerated a
	DU demonstration	Salad Care (5-1110), 1.1.54 is at Higher
1.1	AARI Managements	406
1	(4)	Microsoft West/Write Pers, 2023/12/00 Server
		Human Statistic Conglin Language Economies Support with
4	Manager Part Restaurable	Tex (Version 3.5)
200	Person new the Lawrence Property	Yes
	URB Peet	Fee
12.2	Disgony J Hills + 748 + 54 Art + 44 august	her .
	Million Corporati	Test
10	Marit Die Pros (peer)	59-58

M13001 M2300 Encrypted IP 2 Deer Encrypted IF 1.Door Access Controller Arcen Cornoller



Platu Reader Sector.

Montactions is a highly blankpuration authorian. Two and calviand to particul pur pultivational approximations to configure the system that mean your requirements.

For enquires, please contact:

lasioficators subject to change without pricination.

xPortal3000



ŝ.	tion .	affortational feature				
	1000	hee	of small 2000.0	aParter3000		
1.5	Deresting farture	Without IP Prop York, West C. Washing Larger J. B. 1998 and Comparison (New York, New York, and Add Strategy and				
	and the second se					
63	Max No. of Concentration / Disease	8/16	12/68	46/138		
03	Carryder Suppress	Berdagier, or astrony, or an open, or of ratios, or of rises of a cases, or other blancing and constitute of artists and a final states in respect of Constitute				
6.7	Card Holder	1,309	18.000	100.001		
iii)	Transmitter Barretti	Longent in Die Spece				
6	Dennes (or Weldows Dennes	(her)				
	from her ik Types June		191			
1	Philippe Deven	10				
Ġģ	Accession	104				
6	first Parkets	14				
ŧ.	Automatic Dissources Dairwoot	Sec.				
t,	Personal Controlled Selburger Unit	Test				
ŧ.	Der Dekend Filt Suissing	(Tel.				
4	Data Atlandaria Reporting	Yes - Stream Trapic Day Calls Mode Later In: Alasem, Tated Work Trans. CT, Real Huge				
ŧċ.	Marthy Separate Summing	Nex - Summary of Antennesis Status				
	Wine's Jack to Report	Non-Relative Clear Selection				
÷.	Add Columbias Mixed	and the second				
8	Dytame Pase Par	Ter				
10	Online Scenes Version	A Text of				
6	Online Help		1 Page 1			
НČ)	Detetere	Tailed				
	Community and Ltd. 42 PC	Servir Statt or P				
63	Multi Wednesdan	14.	the second	You Man 8		
1	Materian groups by Springer Lines	1 Mar	Tes	Real		
83	Symmetries .	11 Una Dalaut anta	Can Add New	Tim Add From		
É.			Spend Direct	Report Dam.		
1	Tyriam Use: Manu Assess Teeting	14	(Tau)	Tes		
15	Scheduled Backar	the second	1 fee	No.		
8	Inholuted Resettance Babaild	494	The	54		
e)	LA Arrest	. the	1746	54		
6	New Peri Nymbrial	104	. No	No.		
Ę	Advanced Trans Provider General	.04	1.00	i for the Annual Process		
1	Multi-Detailage	The .	The C	Tas		



www.microengine.net

1000

THE R. P. LEWIS CO., LANSING MICH.