HS
Hardware Solutions

There are 3 main kinds of our hardware solutions. Card, fingerprint and face recognition.

These hardware solution helps keeping the core data to track of entry/exit.

Our devices has relay outputs, USB inputs, ringing bell etc. different kinds of feature. These devices can be used to open door, turnstile etc.

HARDWARE SOLUTIONS

www.**polimek**.com.tr

I - CARD READERS

01

EPHESUS PLUS

Identification Algorithm	:	HSA8.0
Operating Voltage	:	220 V AC ± 10% 50Hz
Power	:	5 V DC
Error Rejection Rate	:	<1%
PC & OS Support	:	+ 300MHz CPU, 128MB + RAM with Windows XP, Vista
Communication Modules	:	TCP / IP LAN Ethernet 10/100 Base-T
Operating Temperature	:	0 to + 50 ° C
Recording Capacity	:	300,000 / 20,000 / 70,000
User Capacity	:	6,000 / 120,000 / 200,000
Dimensions	:	188x139x50 mm
Distance Sensor	:	6-8 cm
USB	:	Yes
Weight	:	950 g
Cover	:	ABS
RFID frequency of 125 kHz *		
Card Reading Distance	:	7 cm
Max Number of Terminals	:	-
Communication to PC	:	RS232 / 485, TCP / IP and USB
LCD Display	:	128 x 68 pixels
Inputs and Outputs	:	Ring and Access outputs
Extras	:	* OPTIONAL can be produced in accordance with the 13:56 MHz Mifare technology.

*Suitable for time attendance applications.

02

TRALLES ONLINE

Identification Algorithm	:	HSA8.0
Operating Voltage	:	220 V AC ± 10% 50Hz
Power	:	9-12 V DC
Error Rejection Rate	:	<1%
PC & OS Support	:	+ 300MHz CPU, 128MB + RAM with Windows XP, Vista
Communication Module	:	Ethernet
Operating Temperature	:	-40 to + 60 ° C
Recording Capacity	:	Unlimited
User Capacity	:	Unlimited
Dimensions	:	105x155x30 mm
USB	:	Yes
Weight	:	950 g
Cover	:	ABS
RFID frequency	:	125 kHz, 13.56 MHz, or both together
Communication to PC	:	Online communication, TCP / IP
LCD Display	:	128 x 68 pixels
Inputs and Outputs	:	"Ring and Access outputs
Extra	:	Unlimited readers can be connected Feature to show messages on the display Turkish-English display language

*Suitable for all kinds of entry and exit applications.
(Time attendance, Access Control, Cafeteria, etc.)

www.**polimek**.com.tr

03

*Suitable for all kinds of entry and exit applications. (Time attendance, Access Control, Cafeteria, etc.)

TRALLES P 100 OFFLINE

- Attendance and Access Control Device
- 125 kHz, 13.56 MHz, or both together
- TCP / IP and data communication via USB
- 128 * 64 graphic display
- 2 colored warning Led
- 2,000 users (can be increased) ----> 4,000
- 16.250 motion recording capacity (can be increased) ----> 32,500
- Attendance / Access Control / Cafeteria
- Online / Offline operation mode
- Instantly notify the user interface for each event during device operation feature (Online Monitor)
- 2 relay outputs and 1 signal (switch)
- Ability to dynamically switch between device modes instantly
- 78 dynamic time table and unlimited access group to define
- 2,040 for each user given a day pass.
- Open door warning access control mode option
- Each employee can be assigned to 8 different specific time table
- For 20 different time zones ringing feature up to 5,100 times
- 20 ring different to define
- Show staff name on the screen
- Show dynamic message to separate staff
- Video and audio routing feature during operation
- Even through offline mode user interface is able to send instant messages and trigger relays
- Expiry dates can be assigned for every staff
- In Cafeteria and Turnstile mode prepiad credits usage
- Prepaid credits can be used in desired time intervals
- Backup unit that can't be deleted
- Automatic summer / winter time application
- Software and hardware as maximum protection against power outages
- Parametric secondary card reading time to adjust
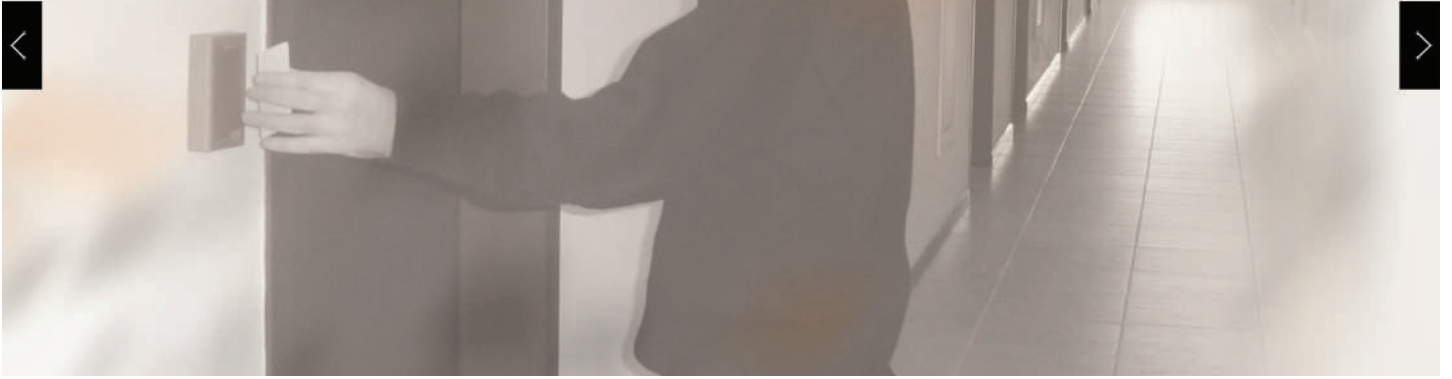- Dimensions: 105x155x30 mm
- 950 g. weight

04

PL 858

Supported Card Type	:	125 kHz; optional 13.56 MHz.
Recognition Method	:	Card / Password
Power	:	12 V DC
Processor	:	32-bit CPU
Communication Module	:	TCP / IP
Operating Temperature	:	-10 to + 60 ° C
Recording Capacity	:	50,000
User Capacity	:	2,000
Dimensions	:	85x140x35 mm
Keyboard	:	Touch keyboard (16 keys + bell ringing)
USB	:	Yes
Timeframe	:	Yes (50 time zone)
Wiegand	:	Wiegand 26 output, Wiegand 26/34 entry
Door Control	:	Yes (COM, NO, NC)
Anti-passback	:	Yes
Relay output	:	Yes
Alarm output	:	Yes
Switch Switch Input	:	Yes
Power Management	:	Sleep mode
RTC	:	Yes

*Suitable for Time Attendance and Access Control applications

www.**polimek**.com.tr

AGORA TCP/IP CONTROL PANELS

05

CPU	:	32-bit Microprocessor
Power	:	DV 12V
Work Current	:	3A
Operating Temperature	:	-40^0 C - + 70^0 C
Dimensions	:	220 * 120 * 28 mm
Reader Input	:	Wiegand 26/32/34 (Motorola, HID, EM, Mifare, Ti, Fingerprint, handkey, IRIS)
Offline Capacity	:	10,000 proximty Card, 30,000 records
Contact	:	100M Ethernet ports, real-time data transfer
Power Protection	:	Flash ROM
LED Indicator	:	Red, Green, Blue, Orange
Quantity of doors	:	2,4, 8 Door
Networked doors	:	no limit

* Suitable for Access Control applications. Limiting can be made.

AGORA WIEGAND CARD READER

06

Operation Type	:	WG 26/34
Operating Voltage	:	DC 9V - 16V
Working Current	:	⩽ 80 mA
Reading Distance	:	5 - 10 cm.
RFID frequency of 125 kHz, 13.56 MHz optional		
Working temperature	:	-10^0 C - + 50^0 C
Working Ambient Humidity	:	10% - 90%
Card Reader - Break Panel	:	max. 100 m.

* Only works with Agora Control Panels.

www.**polimek**.com.tr

PL 403

07

User Capacity	:	30000
Recording Capacity	:	50000
Dimentions	:	143x96x40 mm
Communication to PC	:	RS 232/485, TCP/IP, USB
Outer Casing	:	ABS
RFID Frequency	:	125 kHz
Standard Functions	:	Wiegand in/out, anti passback
LCD Screen	:	128 x 68 pixel
Inputs and Outputs	:	Ring and Access outputs.
Extra	:	13.56 Mhz option is avaliable

***Suitable for Cafeteria applications.**

USB CARD DEFINER

08

Operating Voltage	:	5V DC
Power	:	1W (USB Powered)
Operating Temperature	:	0, +55° C
Record Capacity	:	Unlimited
User Capacity	:	Unlimited
Dimentions	:	108x78x28 mm
USB	:	Yes
Outer Casing	:	ABS
RFID Frequency	:	13.56 Mhz - 125 kHz
Communication to PC	:	USB
Date-Time Info	:	No
Relay	:	No

www.**polimek**.com.tr

I I- FINGERPRINT READERS

01

TROIA F 36

Recognition Method	:	Fingerprint / Password
Identification Algorithm	:	HSA8.0
Operating Voltage	:	220 V AC ± 10% 50Hz
Power	:	5 V DC
Error Rejection Rate	:	<1%
Incorrect Fingerprint Acceptance Rate	:	<0.0001%
Operating Temperature	:	0 to + 50 ° C
Recording Capacity	:	50,000
User Capacity	:	2,000
Dimensions	:	188x139x50 mm
Identification Speed	:	<1 sec
USB	:	Optional
Weight	:	950 g
Outer sheath	:	ABS
Self Learning Intelligent Sensor	:	Optical
Language	:	English, Turkish
Audio	:	High Definition Audio
Communication to PC	:	RS232 / 485, TCP / IP and USB
LCD Display	:	"128 x 68 Pixel"
Other Functions	:	Name Display, Pulse Alarm, Ringtone

02

PERGAMON F 36 D

Recognition Method	:	Fingerprint / Password / Card
Identification Algorithm	:	HSA8.0
Operating Voltage	:	220 V AC ± 10% 50Hz
Power	:	5 V DC
Error Rejection Rate	:	<1%
Incorrect Fingerprint Acceptance Rate	:	<0.0001%
Operating Temperature	:	0 to + 50 ° C
Recording Capacity	:	50,000
User Capacity	:	2,000
Dimensions	:	188x139x50 mm
Identification Speed	:	<1 sec
USB	:	Optional
Weight	:	950 g
Outer sheath	:	ABS
Self Learning Intelligent Sensor	:	Optical
Language	:	English, Turkish
Audio	:	High Definition Audio
Communication to PC	:	RS232 / 485, TCP / IP and USB
LCD Display	:	128 x 68 pixels
Other Functions	:	"Display Name, Pulse Alarm, Ringtone"

* Suitable for Time Attendance applications.

* Suitable for Time Attendance applications.

www.**polimek**.com.tr

03

PL 858

Supported Card Type	:	125 kHz; optional 13.56 MHz.
Recognition Method:	:	Fingerprint / Card / Password
Power	:	12 V DC
Processor	:	32-bit CPU
Communication Module	:	TCP / IP
Operating Temperature	:	-10 to + 60° C
Recording Capacity	:	50,000
User Capacity	:	2,000
Dimensions	:	85x140x35 mm
Keyboard	:	Touch keyboard (16 keys + bell ringing)
USB	:	Yes
Timeframe	:	Yes (50 time zone)
Wiegand	:	Wiegand 26 output, Wiegand 26/34 entry
Door Control	:	Yes (COM, NO, NC)
Anti-passback	:	Yes
Relay Output	:	Yes
Alarm Output	:	Yes (COM, NO, NC)
Button Switch Input	:	Yes (PUSH / GND)
Power Management	:	Sleep mode
RTC	:	Yes

*Suitable for Time Attendance and Access Control applications.

04

PERGAMON PLUS

Recognition Method	:	Fingerprint / Password / Card (125KHz / 13.56 MHz)
Algorithm Description	:	1: N, 1: 1
Operating Voltage	:	220 V AC ± 10% 50Hz
Power	:	9 V DC
Error Rejection Rate	:	<1%
Incorrect Fingerprint Acceptance Rate	:	<0.0001%
Operating Temperature	:	-10 to + 60° C
Recording Capacity	:	100,000
User Capacity	:	3,000
Dimensions	:	195x130x45 mm
Identification Speed	:	<1 sec
USB	:	Yes
Fingerprint Sensor	:	Optical glass sensor
Processor	:	32-bit CPU
Timeframe	:	None
Why Code	:	None
Ringing Ringing	:	Yes
Door Sensor	:	None
Relay	:	Yes
Communication to PC	:	TCP / IP and USB
Wiegand Input	:	Yes
Alarm Output	:	"None

* Suitable for Time Attendance applications.

III- FACE RECOGNITION READER

01

PL 710-S

Processor	:	High-speed digital processor
Recognition Method	:	Face / Password / Card
		(125 KHz, 13.56 MHz)
Display	:	3.5 " inch TFT color display with
		65,000 colors
Face Capacity	:	500-1000
ID Card Capacity	:	10,000
Log Capacity	:	150,000
Recognition Algorithm	:	Patented Dual Sensor TM V3.1
Sensor	:	The patented dual sensor
Communication Portal:	:	TCP / IP, RS-485, USB
Keyboard	:	4x4 keypad touch
Exposures	:	The headscarf, hair, beard, mustache,
		and the spectacle lens
Relay	:	Yes
Ringtones	:	Yes
Light Sensitivity	:	0-10,000 from Luxor
Wiegand Port	:	Wiegand 26/34 output
Power Supply	:	12 V
Weight	:	505 g
Operating Temperature	:	0C + 40C
Dimensions	:	200x95x115 mm
Certificate:	:	CE, FCC, ROHS Class

*Suitable for Time Attendance and Access Control applications.

02

PL 202

Recognition Method	:	Face / Fingerprint / Password /
		Card (125 KHz, 13.56 MHz)
Display	:	Color touch
Face Capacity	:	1,200
ID Card Capacity	:	10,000
Log Capacity	:	100,000
Fingerprint Capacity	:	2,000
Communication Portal	:	TCP / IP
Relay	:	Yes
Ringtones	:	Optional, time
Working Speed	:	High speed
Power Supply	:	12V / 1.5A
Verification Speed	:	Less than 1 second
Operating Temperature	:	0C + 45C
Operating Ambient Humidity	:	20% -80%
Dimensions	:	160x190x110 mm

*Suitable for Time Attendance and Access Control applications.

03

PL 780

Recognition Method	:	Face / Password / Card (125 KHz, 13.56 MHz)
Display	:	3-inch touch screen
Face Capacity	:	400 (1: N)
ID Card Capacity	:	10,000
Log Capacity	:	100,000
Communication Portal	:	Wi-Fi, Ethernet, USB, RS-232/485
Standard Functions	:	Automatic state swich, Wiegand output, Access Control, 3rd party electric lock, door sensor, exit button and interface, T9 input, 9 digit user ID
Power Supply	:	12V / 1.5A
Verification Speed	:	Less than 1 second
Working Temperature	:	0-45
Operating Ambient Humidity	:	20% -80%
Dimensions	:	104.70x160x36 mm

04

PL 110

Processor	:	1 GHz digital signal processor
Recognition Method	:	Face / Password / Card (125 KHz, 13.56 MHz)
Display	:	2.8 " inch TFT color screen
Face Capacity	:	150-300
ID Card Capacity	:	3,000
Log Capacity	:	100,000
Recognition Algorithm	:	Patented Dual Sensor TM V3.1
Sensor	:	Customized IR sensor
Communication Portal	:	TCP / IP, RS-485, USB
Keyboard	:	4x4 keypad touch
Snapshot	:	None
Relay	:	Yes
Ringtones	:	Yes
Light Sensitivity	:	0-10,000 from Luxor

*Suitable for Time Attendance and Access Control applications.

*Suitable for Time Attendance and Access Control applications.