Synel Synergy

Hardware

- Pair the Synergy with our time and attendance software to provide employees a secure method for clocking in/out for shifts/breaks, while eliminating buddy punching. Device can also perform job transfers, collect tip info, etc.

- Syngery quickly identifies each employee by fingerprint. Add verification options such as badge or PIN to increase security and eliminate buddy punching. Terminal is plastic, wall mountable, and accommodates 10k employees.

- Synergy achieves fast matching times while performing complex operations at the clock. Four user-programmable function keys plus in/out keys. Updates and patches can be applied remotely. Completely encrypted communications.

Specifications

BIOMETRIC AUTHENTICATION

High speed processor	ARM9-400MHz
Capacity with photo	20,000 employees
Capacity w/o photo	676,000 employees
Capacity w/ photo & 2 prints	5,200 employees
External reader	Optional
USB (memory device)	2 USB 2.0 Ports
SD-card	Can be added - up to 32GB
Power	DC 12V, 2A, 100-240, POE optional
Environment	Temperature 5-45°C, humidity10%-90%
Physical Dimensions	210x145x48mm
Display	3.5" Color TFT LCD; 320x240 pixels
Camera	1.3MP Color Camera
Sound	Yes
Keyboard	6 function keys, 10 alphaneumeric keys, menu key
Backup battery RTC	3 hours (120 minutes operational backup)
Coupon Printer	Optional
Certifications	Yes
Data Transmission Protocols	RCP/IP/HTTP/HTTPS, RS485/232, USB, WiFi (WPA2-Enterprise TKIP or AES)
Communication Option	GPRS (Cellular), WiFi, Ethernet (TCP/IP), RS232/485

Supported Readers	**Magnetic:** Track I & Track II **Barcode:** Code 39, Code 128, Interleaved 2 of 5, UPC **Mifare:** 14443 type A 13.56 MHZ 14443 type B 13.56 MHZ (custom) **HID:** 125 KHZ proximity **HID iClass:** iClass cards 13.56 MHZ **Proximity:** 125 KHZ EM chip
Authentification Methods	FP, PIN, FP & PIN, FP & Card, FP & Camera
Fingerprint Unit	Suprema
FP Template Size	Suprema - 768 Bytes
Registered FP Capability	9,050
Fake Identification Rate	Fingerprint Identification < 1 second, Card Identification <0.2 seconds
Network Interface	10/100 Base-T Ethernet
Operating system	Advanced Linux Open Source embedded OS
Output	1 Relay
Input	1 Input