

**Product information:**

Biometric fingerprint controller-scanner. Adaptable device, integration with various sensors: optical, thermal, capacitive, e-field.
Two kinds of bodies: hang and build in type. Wide range of applications – access control, T&A, personal identification.

Features:

- User capacity: up to 1900 templates
- Fast 1:1 and 1:N matching speed (400MHz DSP)
- Serial interface with simple protocol
- Built-in RS232/RS422/RS485 interface
- Locking system: 3-direction mortise lock; electric strike; dead-bolt

Applications:

- Access control
- Door lock
- POS system
- Time and attendance
- Safe lock
- Smartcard, ATM

MODEL	build in	hang	build in	build in	build in
					
	PT-OP3-V1.0		PT-ST3-V1.0	PT-T3-V1.0	PT-A3-V1.0
Sensor type	Optical 	Swipe type thermal 	Capacitive 	E-field 	
Resolution (dpi)	500	500	508	250	
Sensing area (mm)	16.0 / 19.0	14.2 / 0.40	12.80 / 18.0	13.0 / 13.0	
Image size (pixel)	280 / 320	280 / 8	256 / 360	128 / 128	
CPU	400 MHz DSP	400 MHz DSP	400 MHz DSP	400 MHz DSP	
Enrollment time	800 ms	850 ms	700 ms	800 ms	
1:1 Verification time	800 ms	850 ms	700 ms	800 ms	
1:1000 Identification time *	970 ms	990 ms	830 ms	970 ms	
Template capacity	1.900 /1MB flash/ - 9.500 /4MB lash/				
Template size	384 Bytes (reducible to 256 bytes)				
Encryption	256 bit AES (fingerprint data protection)				
Supply voltage	5V regulated				
Host communication	Asynchronous serial, RS232, or RS422/485 9600/19200/38400/57600/115200 bps				
Aux communication	Asynchronous serial, RS232, or TTL 9600/19200/38400/57600/115200 bps				
Wiegand interface	input 1 port / output 1 port Support various formats (26 bit standard, custom, and passthrough format)				
External I/O	3 TTL input, function programmable 3 TTL output, event and pattern programmable 3 LED output, event and pattern programmable				

* average 1:1000 genuine identification time including feature extraction time