

PeopleKey 5110

Biometric Finger and Face Scanner



With a range of advanced features, the PeopleKey 5110 is at the very forefront of biometric technology. With its high contrast LCD pane, toughened polycarbonate shell, zero-maintenance fingerprint sensor and advanced face detection technology, the PeopleKey 5110 is an all weather reader suited for both time and attendance and access control

Specification

Connectivity	Ethernet-10/100Mbps. Optional: WiFi 802.11k	Operating system / Processor	Linux / Broadcom BCM2837B0, Cortex-A53 64-bit 1.2GHz
Application-level protocols	HTTP & HTTPS	Security	SSH-2 Transport Layer Security (TLS 1.2) - we don't use the certificate (would could if a client demanded it)
Firmware upgrades	Nexus Device Manager application. Remote and Unattended.	USB support	3 internal USB ports, support for USB hub devices. Optional: external USB port.
Connectivity alternatives	RS485/RS232	Storage capacity/RAM	Flash Memory (eMMC): 8GB/RAM:1GB LPDDR2 SDRAM
Data link protocol	Ethernet, Fast Ethernet	External casing	Polycarbonate monoque shell (extremely strong).
Server Connectivity	SaaS Nexus Device Manager application	Dimensions	186 x 117 x85mm (W x H x D)
Power supply (external)	8-18Vdc @ 500mA. Optional: Power over Ethernet/ USB 5Vdc @ 500m A.	Ingress protection (IP) rating	IP65
Power over Ethernet (optional)	802.3at PoE Class 2 device 42.5-57.0V input voltage 5Voutput voltage 4A output current	Sensor	656 x 496 effective pixel array with RGB Bayer colour filters and micro-lens, 30 frames/sec progressive scan with High Image Quality and High low light performance.
Operating temperature	-10 to 40 degrees Celsius	LED's	Screen - 2 LCD, Ultra bright with high contrast. Keypad - Numeric with menu keys, LED multi colour, Dual panel illumination
Enrollment time	Approx 1 minute (single template) plus user navigation of menus	Audio	Multi tone audible alert
Verification	Approx 1.0 seconds	Door Relay	Reference free NC/NO contacts (external / POE power only)
False Non-match Rate (FNMR) Face	Administrator adjustable (typically between 0.5% to 0.7%)	SmartCard Reader	Optional HID Mifare / iClass / 125Khz on board.
False Match Rate (FMR) = 0.005	Administrator adjustable (typically less than 0.5%)	User connections	External supply: 8-18Vdc via 2.5mm DC jack, Ethernet/POE - RJ45.
Template storage capacity	+ 1,000,000	Communications Module	Cavity for USB memory expansion or battery back-up, electrical conduit connection, POE module, WiFi 802.11
Template type / size	ANSI (ISO/IEC 19795-4 interoperability standard) - default template size 1200 bytes (configurable)	Facial recognition	Speed 13 milliseconds to find a specific face among 12 million subjects
Algorithm	MINEX III and PIV Level 1 and Level 2 certified.	Algorithm	A top performer across all categories in NIST Face Recognition Vendor Test (FRVT).
Scanner (sensor) lens	High strength solid tapered material up to 10mm thick, high strength, scratch resistant lens	Camera	5MP OV5647, Interface:CSI-2/MIPI
Verification options	Biometric: Finger and Face Physical: PIN, PIN and password, Card reader Combination: PIN + biometric, Card + biometric		
Allowable finger rotation	+/- 18 degrees		

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