ZKSOFTWARE ZK5000

Product introduction

The ZK5000 Reader is a USB fingerprint reader, the user simply places his or her finger on the glowing reader window, and the reader quickly and automatically scans the fingerprint. On-board electronics calibrate the reader and encrypt the scanned data before sending it over the USB interface.
The ZK5000 utilizes optical fingerprint scanning technology for superior quality and product reliability. The ZK5000 Reader and ZK fingerprint recognition engine have an unmatched ability to authenticate even the most difficult fingerprints.

Technical Specifications

Pixel resolution: 512 dpi (average x,y over the field)

· Scan capture area: 15 mm (nom. width at center), 20 mm (nom. length)

· 8-bit grayscale (256 levels of gray)

· Reader size (approximate):63 mm x 39 mm x 9.1 mm

· Compatible with USB 1.0, 1.1 and 2.0 (Full Speed) specifications

· Supply Voltage: 5.0V ±5% supplied by USB

· Supply Current – scanning 190 mA (Typical)

· Supply Current – idle mode 140 mA (Typical)

· Supply Current – suspend mode 1.5 mA (Maximum)

· ESD Susceptibility >15 kV, mounted in case

· Temperature, Operating :0°C - 40° C

· Humidity, Operating: 20% - 80% non-condensing

· Temperature, Storage: -10° - 60° C

· Humidity, Storage: 20% - 90% non-condensing

· Scan data: 8-bit grayscale

· Standards Compliance: FCC Class B, CE, ICES, BSMI, MIC, USB, WHQL

Applications :

· Desktop PC security
· Mobile PCs
· Custom applications
· Home and office use

Features :

· Small form factor
· Excellent scan quality
· Encrypted fingerprint data
· Latent print rejection
· Counterfeit finger rejection
· Rotation invariant
· Rugged
· Works well with dry, moist, or rough fingerprints
· Compatible with Windows. XP, 2000, Me, 98, NT. 4.0 and Windows Server 2000, 2003