

Access Control Terminal

Please read this carefully and keep it properly.



- FC6825 -

- Dual Verification: Fingerprint or QR Code Scanning
- 4-inch HD Display
- Premium Texture, 6.8mm Ultra-Thin at the Thinnest Point
- Rich output interfaces

Standard parameters	
Operating System	Deja OS (Linux)
Access Credentials	Fingerprint / QR Code Scanning, IC Card, Password, Remote Unlocking
Power Supply	9-24V DC, POE Supported
Display	4-inch Capacitive Touch Screen, 480*800 IPS HD
Network	10/100M Adaptive Ethernet, 2.4G/5G Dual-band Wi-Fi, CAT1 4G / Global 4G
Bluetooth	BLE 5.1, Max Communication Distance 25m in Open Area
Physical Interfaces	DC, RS485, Wiegand, Relay, Door Magnetic Input, Alarm Input (Exit Switch); RJ45, USB
Appearance & Material	PC Casing, Tempered Glass, Sheet Metal Bracket
Interaction	On-screen Icon Guidance, Buzzer, Voice Prompt (Speaker)
Installation Method	86-type Box Mount, Flush Mount
Tamper Protection	Tamper Alarm Supported (86-type Box Mount Version)
Storage Capacity	Passwords: 20,000; IC Cards: 20,000; QR Codes: 20,000; Records: 50,000
Operating Environment	IP65
ESD Protection	Contact 8kV, Air 15kV
Operating Temperature	-20℃ ~ 55℃
Operating Humidity	10% ~ 90% (Non-condensing)
QR Code Scanning Parameters	
Image Sensor	480,000-pixel CMOS Image Sensor
Maximum Resolution	800*600
Supported Symbologies	2D Codes: QR Code, PDF4171D Barcodes: CODE128, EAN13, EAN18

Decoding Support	Screen Code Scanning
Scanning Distance	15mil QR Code: 30.9~130.4mm (tested in dark room, 100% phone brightness)
Scanning Precision	QR Code: ≥7mil (Version 7); ≥8mil (Version 12)
Scanning Speed	100ms per scan (average), supports continuous scanning
Scanning Direction	360°
Scanning Angle	Central Tilt Angle: 46.2° ; Central Deflection Angle: 43.2°
Field of View (FOV)	Horizontal Angle: 65.3° ; Vertical Angle: 55.8° ; Diagonal FOV: 79.5°
Fingerprint Recognition Parameters	
Resolution	160*160
Precision	508dpi
Frame Rate (Typical)	50fps
FAR (False Acceptance Rate)	< 1/50,000
FRR (False Rejection Rate)	< 2%
RF Card Recognition Parameters	
Supported Card Types	ISO 14443A Protocol Cards, ISO 14443B Protocol Cards, Physical ID of ID Card, ID Card Information (Optional)
Card Operation Modes	Physical UID Reading, M1 Card Sector Read/Write, CPU Card File Read/Write
RF Working Frequency	13.56MHz
Effective Scanning Distance	M1 Card ≤38mm; Epoxy Card ≤21mm; ID Card ≤19mm
PSAM Card	
Protocol Support	Compliant with ISO7816-1/2/3 Protocol, supports T=0
Algorithm	National Commercial Cryptography

