



Bergdata Biometric Access Control Device DGID-300

for stand-alone applications

Name of product:

DGID-300 Biometric User Identification Device

General description:

Stand-alone device for fingerprint biometrics and biometric access control. Device configuration and user data administration by Windows-Software or via network. The DGID Biometrics Devices family provides biometric security at any place where host computer services are not available.

Features:

- Verification time: < 1 sec
- Identification time: > 100 fingerprints/sec
- Device database for up to 1000 fingerprints
- Self cleaning sensing area
- 2 × RS 232 ports
- RS 485 network and Ethernet with external decoder
- 26/30/44-bit Wiegand interface optional (DGID/W)
- Adjustable build-in relay for door-opener
- Push-button input for relay triggering
- LED's and buzzer for user guidance
- Windows-Software for device configuration and user data administration
- Easy firmware update
- Host-dependent operation supported
- Encrypted data transfer with host and network
- Compatible with Bergdata USB Scanners
- Biometric Algorithms certified by Atmel for FingerChip sensor
- SDK for Windows and Linux available
- OEM modules available

Included:

DGID-300, ES-Manager administration software for Windows, user and installation manual, RS232 cable, screwdrivers and special tools.

Accessoires:

- Programmable/addressable decoder for RS 485 network
- Programmable/addressable decoder for Ethernet
- Software Development Kit for Windows or Linux



General Specifications:

- Fingerprint sensor: Atmel FingerChip™
- 32-bit Hyperstone E1-16XS RISC/DSP at 96 MHz
- 2 MB flash-memory, 1 MB SDRAM
- Power supply: 12 V AC/DC, 35/125/350 mA idle/stand-by/processing
- Build-in relay switching capability: 125 VAC or 30 VDC, 3 A
- Communication ports: 2 × RS 232 for host and add-on devices like SmartCard reader
- Communication protocols: Bergdata proprietary (encrypted) and 26/30/44-bit Wiegand (optional)
- FAR<0.05%, FRR<1%, FER<0.1% (depends on system adjustment)
- Resistant to abrasion: > 10⁶ fingerprint acquisitions
- Operation temperature: 5°C ... 45°C
- Storage temperature: -20°C ... 60°C
- Humidity: < 90% (non condensing)
- IP 53
- Physical dimensions: see drawing
- Weight: about 350 g

Applications:

Stand-alone biometric user authentication, access control, time attendance, POS-terminals, security applications in airports, banks, office buildings, laboratories, hospitals, computing-centers, ...