

DIGITUS BUILDING/ROOM ACCESS PRODUCTS

Control Access to Thousands of Doors From a Single Location

db Nexus controls access to buildings and rooms with fingerprint and/or RFID identification. The platform is offered in two versions, the db Nexus and db Nexus Duo. Both versions are available with PIN and fingerprint or with PIN, fingerprint and RFID reader. Like all Digitus products, the db Nexus solutions are managed via the DAS-SQL software platform.

db Nexus:

When granting access, db Nexus units operate independently. No network communication is required for ID verification, and secure access control continues normally in the event of network failure.

- Secure access control for buildings, rooms, gates, turnstiles and cages
- More accurate than RFID readers and at a lower cost
- Nearly a decade of installations
- Centralized administration of up to thousands of units
- Indisputable audit trail across the enterprise
- Protection against obsolescence via db Infinity program

db Nexus Duo:

- **One or two reader units per control unit** – The ability to attach two reader units to a single control unit. This is useful for datacenter cage applications where authentication is needed to both enter and exit an area.
- **Dual-custody Authentication** – The ability to require two people to authenticate in order to gain access to secured areas. When a device is in dual-custody authentication mode, the second user must authenticate within 10 seconds of the first user.
- **Dual-custody Authentication Override** – The system detects how many people are in a secure area. If two or more people have already entered the secure area, the third person will be granted access without dual-custody.
- **Anti-passback** – This ensures that a person who enters a secure area must authenticate to exit that same area prior to re-entry.
- **Anti-passback Override** – The system provides the capability of issuing a passback reset at the individual user level.
- **Auxiliary Output Relays** – This allows the system to turn on devices, like cameras, when a user defined event occurs.
- **Two or Three credential mode** – Like the db Nexus, the db Nexus Duo can be configured with a card reader in addition to the biometric fingerprint reader and pin pad.
- **Mantrap application** – A person entering and leaving an area, must wait for the first door to close prior to gaining access to the second door.

db NEXUS

Networked Access Control for Managing, Monitoring and Reporting

db Nexus is the networked version of the Digitus access control product line. In conjunction with Digitus' DAS-SQL software, db Nexus units can be controlled and managed from a single location, allowing units to be anywhere in the world. db Nexus is available in either a two or three credential format. The db Nexus II uses a fingerprint and PIN. The db Nexus III uses a fingerprint, RFID Card and PIN.

PHYSICAL:

- Dimensions (191mm x 122mm x 56mm)
- Weight: 1.2 lbs (549g)

TECHNICAL SPECIFICATIONS:

- Voltage: 18-22v DC
- Current Draw: Idle-520 mA; Max 650 mA (without lock)
- Operative Temperature: 32° F-158° F (0° C-70° C)

USER INTERFACE:

- Finger Sensor: Capacitive
- LCD: 2 x 16 Character Lines
- LED Indication: Tri-Color
- Keypad: 12-Key Steel Matrix
- HID iClass 12.56 MHZ Contactless Reader (db Nexus III only)

ENROLLMENT:

- Enrollment Time: < 5 seconds
- Verification Time (1-1): < 1 second
- Identification Time (1-N): < 1 second/1,000 users EER Rate: <0.1%
- Security Levels: 3

MEMORY STORAGE:

- User Capacity: 9,500
- Template Size: 384 bytes
- Log Capacity: 60,000 events
- Sensor Type: Capacitive with Fake Finger Detection

COMMUNICATION:

- Network Protocol: TCP/IP over Ethernet Inputs: Fire Panel, Door Sensor, Request to Exit Switch
- Outputs: Door Lock Relay, Alarm Condition Relay, 26Bit Wiegand output

FEATURES:

- Indisputable Audit Trail One-Click Lockdown of System Restrict Access Times
- Duress Activated Alert Anti-Tamper Security Forced/Propped Door Detection Fire Panel Integration
- 16-Hour Battery Backup

ENROLLMENT AND MONITORING:

- Done via Digitus' DAS-SQL Software



db NEXUS DUO

Networked Biometric Access Control with Enhanced Security Features

db Nexus Duo is the newest version of the Digitus access control product. The db Nexus Duo product offers a host of enhanced security features, making it ideal for securing access to your mission critical facility. With features such as dual-authentication, anti-passback and mantrap access, the db Nexus Duo is in a class all by itself, when it comes to physical security.

ENHANCED SECURITY FEATURES:

- Dual Authentication Option requires 2 users to gain access
- Dual Authentication Override allows single user authentication after 2 people are already in an area
- Anti-PassBack prevents re-entry, unless user authenticated on exit
- Anti-Passback Override reset anti-passback for individual users
- Man-Trap prevents access to a door when another door is open

FEATURES:

- Dual Authentication Option requires 2 users to gain access
- Includes 2 readers. Use to secure two separate doors or secure in/out access through a single door
- Indisputable audit trail
- One-click lockdown of system
- Restrict access times
- Duress activated alert
- Anti-tamper security
- Forced/propped door detection
- Fire Panel Integration
- Up to 16-Hour Battery Backup
- Works with any 12V locks (power provided)
- Works with any 24V locks (external 24V power-supply required)

NEXUS READER UNIT:

- Dimensions: (W x H x D) 7.5" x 5.2" x 2.2" (19.1cm x 12.2cm x 5.6cm)
- Weight: 1.2lbs (549g)

NEXUS CONTROLLER UNIT:

- Dimensions: (W x H x D) 10" x 10" x 4" (25.4cm x 25.4cm x 10.2cm)
- Weight: 10.8lbs (4.9KG)

COMMUNICATION:

- Network Protocol: TCP/IP over Ethernet

USER INTERFACE:

- Fingerprint Sensor Type: Capacitive with fake finger detection
- LCD: 2 x 16 Character Lines
- LED: Tri-color
- Keypad: 12-Key steel matrix
- HID iClass 13.56 MHz contactless reader (dbNExDuo3C only)

db NEXUS DUO (CONTINUED...)

Networked Biometric Access Control with Enhanced Security Features

TECHNICAL SPECIFICATIONS:

- Fingerprint Sensor Type: Capacitive with fake finger detection
- Voltage: 18-40V DC
- Current Draw (without locks):
 - w/one Reader: Idle 310 mA, Max 430 mA @ 18.5V DC
 - w/Two Readers: Idle 450 mA, Max 600 mA @ 18.5V DC
- Operative Temperature: 32° F-158° F (0° C-70° C)

MEMORY STORAGE:

- User Capacity: 9,500
- Fingerprint Template Size: 384 bytes
- Log Capacity: 60,000 events

ENROLLMENT:

- Enrollment Time: < 5 seconds
- Verification Time (1-1): < 1 second
- Identification Time (1-N): < 1 second up to 1,000 users
- Fingerprint EER Rate: <0.1%

ENROLLMENT & MONITORING:

- Done via Digitus DAS-SQL Software

INPUTS:

- Fingerprint Sensor Type: Capacitive with fake finger detection
- 2 x Reader units
- 2 x Door sensor
- 2 x Auxiliary sensor
- 2 x Request to exit switch
- Fire Panel (auto-unlock doors when fire-alarm activates)

OUTPUTS:

- 2 x Door lock relay
- 1 x Auxiliary relay
- 1 x Alarm relay
- 26-bit Wiegand

