

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

- 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)

PHYSICAL

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)

TECHNICAL SPECIFICATION

- 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 AND MONITORING

- Done via Digitus DAS-SQL Software

INPUTS

- 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

dbNEXDUO3C	
Security Layer	PIN & Biometric & RFID
User Capacity	9,500
Operation Mode	Ethernet Networked
# of Fingers Enrolled Per User	Up to 10 (with 2 Duress)
Verification/Identification	Both

dbNEXDUO2C	
Security Layer	PIN & Biometric
User Capacity	9,500
Operation Mode	Ethernet Networked
# of Fingers Enrolled Per User	Up to 10 (with 2 Duress)
Verification/Identification	Both

db Nexus Duo

Deploy advanced security features beyond the db Nexus, including:



Dual-authentication:

Require two authenticated users for access.



Anti-passback:

Prevent re-entry unless the user authenticated on exiting.



Dual-authentication override:

Bypass dual-authentication when two users are already in an area.



Mantrap access:

Prevent access to a door when another door is already open.



Anti-passback override:

Reset anti-passback for individual users.

