

User Manual

WDU200D

Technical Parameters

Model	WDU200D
Managed Doors per Controller	2 Doors
Supported Readers	4 Readers
Registered Card Capacity	20,000
Event Log Storage Capacity	100,000
Dimensions	16.0 * 10.6 CM
Communication Interface	TCP/IP
Reader Input Format	Wiegand 26-66 bit
Board Power Consumption	Less than 200mA
Software	Supports N3000 board software and Vw3000 domestic software.
Supported Databases	ACCESS and SQL

Functional Parameters

Functional List	Detailed Functional Description
Card Capacity	20,000
Event Log Storage	100,000
Management Software	Supports N3000 software and Vw3000 browser-based domestic software.
Domestic Autonomous & Controllable	Software and hardware are fully localized, achieving complete autonomous controllability.
Cloud Connection Function	Configure cloud connection tools on the cloud server side to achieve unified cross-internet management of access control systems across various locations, issuing permissions and retrieving swipe records. Local software can also add and manage controllers across the internet.

Functional List	Detailed Functional Description
QR Code Function	1. Wiegand signal QR code, simple wiring, long distance (up to 100 meters); 2. Mobile phone number used as card number for easier setup; 3. WeChat mini program generates a brand new dynamic QR code every 1 minute; 4. QR codes can be screenshotted and shared with visitors via WeChat or QQ with one click; 5. Shared QR codes are valid for a short period of time; 6. QR code door opening permissions can be flexibly configured via access control software: which phones and what time periods can open which doors; 7. QR code door openings are logged and queryable!
Cloud Mini Program Door Opening	1. No need to install an APP on the phone; 2. Bind mobile phone number to WeChat mini program; 3. No card reader required at the entrance; paste the QR code at the entrance to scan and open the door; 4. Open doors anytime, anywhere as long as the phone has internet access; 5. Scan code to add multiple doors with no current door limit; 6. WeChat mini program door opening permissions can be flexibly set via access control software: which phones and what time periods can open which doors; 7. WeChat mini program door openings are logged and queryable!
WeChat Mini Program Remote Door Opening	1. No need to install an APP on the phone; 2. Bind mobile phone number to WeChat mini program; 3. No card reader required at the entrance; paste the QR code at the entrance to scan and open the door; 4. Open doors anytime, anywhere as long as the phone has internet access; 5. Scan code to add multiple doors with no current door limit; 6. WeChat mini program door opening permissions can be flexibly set via access control software: which phones and what time periods can open which doors; 7. WeChat mini program door openings are logged and queryable!
Face Recognition Function	Enables face permission distribution and face-scanning door opening within a single software suite.
Basic Access Control Functions	Flexible permission management, offline operation capability, real-time monitoring information and photo display, emergency double lock, emergency manual door closing, software interface locking, quick query of people inside, quick personnel location query, user photo entry, etc.
Attendance Function	Flexible work shift settings; statutory or custom holidays; National Day long holiday processing; configurable lateness/early departure thresholds for absenteeism; designated attendance doors; daily swipe count configuration; flexible Saturday attendance rules; leave application entry with custom holiday naming; legitimate manual sign-in; selective staff attendance assignment; detailed attendance report export.
19-Digit Card Number Function	Any decimal number up to 19 digits can be used as a card number.
LED Large Screen Function	Integrated with Beijing Shizhan LED video cards to display total entry count and personnel info in real-time on LED large screens.

Functional List	Detailed Functional Description
LCD Large Screen Function	External LCD display support to show total entry count and personnel info in real-time.
Video Linkage Function	Seamlessly integrated with Hikvision surveillance cameras. Purchase Hikvision network video surveillance equipment paired with the access control system to achieve snapshot on card swipe, along with a 3-second video recording.
Second-Generation ID Card Opening	1. 18-digit ID card number authorized as card number, globally unique, eliminating duplicate numbers. 2. ID card swipe records are queryable with higher security (name, photo, address retrievable via ID number). 3. Convenient, flexible, and diverse opening methods: ① Open directly by swiping 2nd-gen ID card without authorization; ② Open by swiping 2nd-gen ID card after software authorization! 4. Flexible ID card opening permission settings: specific person and time periods for specific doors.
Mobile Phone NFC Function	1. Requires phone with NFC capability; 2. Existing access control equipment and readers can be used directly without replacement; 3. No APP or mini program installation required; 4. Open doors with NFC while screen is locked without opening apps or clicking buttons; 5. NFC access permissions flexibly configured via software; 6. NFC door openings are logged and queryable!
SMS Notification Function	When enabled and user mobile numbers are registered, card swipe info is sent to designated phone numbers in real-time. Ideal for kindergartens, schools, etc.
Multi-Card Opening	Requires multiple designated individuals to be present and swipe sequentially to open the door. Single individual swiping will not open the door. Commonly used in bank vaults, antique collection rooms, museums, etc. Can be set as multi-card entry / single-card exit, or multi-card for both entry and exit. Supports up to 8 groups, e.g., bank vault requiring 1 of 3 branch managers, 2 of 8 security guards, and 3 of 5 cashiers all present in sequence to open.
First-Card Opening	Designated individuals hold first-card privileges; others can only enter or keep doors open after the first-card holder swipes in the morning. Doors lock on schedule at night. If the first-card holder does not arrive, other valid cards cannot enter.
Electronic Map	Place door icons on custom map layouts for intuitive, user-friendly real-time monitoring.
Multi-Door Interlocking	Ensures door B cannot be opened until door A is securely closed. Double-door controllers support 2-door interlock; four-door controllers support 2-door, 3-door, or 4-door interlocks. Ideal for bank teller counters and vaults. Controllers on the same LAN can interlock across units.

Functional List	Detailed Functional Description
Anti-Tailgating & Anti-Passback	Requires strict one-in, one-out matching. If someone enters without swiping (tailgating), exit swipe is denied. Similarly, if exit is missed, next entry is denied. Prevents card passing through windows. Ideal for military and defense research facilities. Supports controller-level anti-passback and designated zone anti-passback for exhibitions.
Super Passcode Opening	Up to 4 passcodes per door; entering any valid passcode opens the door without logging the event or user identity. Passcodes are 1-6 digits.
Passcode Opening (One-to-One)	Set fixed passcode length (4/6/8 digits) and input passcode into card number field to grant opening via keypad input. Configurable by door and time zone.
Card + Passcode Opening	Requires valid card swipe followed by correct passcode entry on keypad. Prevents unauthorized entry via picked or stolen cards. Configurable per user per door (1-6 digits).
Manual Card Number + Passcode Opening	Enables opening by entering *CardNumber*Passcode# without carrying a physical card, with full log recording.
Remote Opening	Administrators can remotely open doors via software interface upon instruction, with optional event logging.
Forced Door Normally Open / Closed	Software configuration to keep doors permanently open or permanently closed (e.g., lockdown mode).
Internal & External Verification	Also known as 'Inside-Outside Verification' or '3+1 Bank Model'. Requires external card swipe followed by audio/visual prompt on internal management PC, where internal staff verify and swipe a USB desktop reader to securely open the door. Ideal for branch-to-headquarters controls.
Fire Alarm Linkage Opening	Requires external extension board. Upon fire alarm signal, all connected doors automatically open for emergency evacuation, triggering sirens and logging the alarm time.
Door Linkage Relay Output	Requires external extension board. Drives an auxiliary relay when a door is legally opened to control peripheral devices (e.g., turn on streetlights or output switch signal to cameras). Duration: 0-600s.
Card-Swiped Arming / Disarming & Burglar Alarm	Requires external alarm extension board.
Duress Alarm	Requires external alarm extension board to drive hardware alarms (sirens, strobe lights) or PC software/audio alerts. When coerced, staff can enter a duress passcode to open the door safely while silently triggering a duress alarm at the central control room. Can also be set to 'Card + Duress Passcode' mode to avoid suspect awareness.
Door Open Too Long Alarm	Requires external alarm extension board and door contact sensor. Triggers visual red warning on software and local siren if door remains open past configured duration.

Functional List	Detailed Functional Description
Intrusion Alarm	Requires external alarm extension board. Triggers red software alert and hardware sirens upon unauthorized forced entry.
Invalid Card Swipe Alarm	Also known as unauthorized card alarm. Triggers software red alert and local audio when unregistered cards are swiped.
Online Patrol (Guard Tour)	Flexible inspection tolerance time settings (late/early arrival thresholds, missed check alerts). Assign patrol personnel across staff cards and designate specific inspection checkpoints along custom patrol routes with generated reports.
Quota Dining / Canteen Consumption	Configurable fee per meal or per swipe. Set meal time windows and pricing for Breakfast, Lunch, Dinner, and Midnight Snack down to cents. Generates detailed consumption reports, meal counts, totals, and per-window subtotals for contractor settlement.
Meeting Sign-In	Configure meeting name, location, start time, sign-in window, and content to generate notices. Real-time projection of expected, actual, excused, absent, and attendance rates with Excel export.
Elevator Management	Specialized elevator controllers manage access and elevators with a single software suite. A single reader controls access to dozens of floors based on user card permissions. Security guards can select desired floors after swiping. (Note: Consult prime contractor and elevator manufacturer before deployment). Features card+passcode security, time-zone restrictions, and power-off/fire-alarm emergency fallback.
Locker Management	Specialized locker controllers manage access and dozens of cabinet doors/drawers with a single reader. Auto-opens corresponding cabinet on card swipe. Administrators can batch-open all doors for inspection. Readers can be replaced with Wiegand-compatible biometric devices (QR code, fingerprint, face, vein) if cards are not desired.

Note: The above are standard features. Many specialized features are omitted. Please contact UNIUBI if you have any functional requirements not listed above!

