

ZKTeco's X100 and X101 are standalone fingerprint access control terminals that support multiple authentication methods including fingerprint verification, RFID card reading, and custom PIN codes. X100 and X101 also offer versatile Wiegand connectivity that can adapt to your system requirements.

#### Bi-directional Entry and Exit Verification (Primary Control Mode):

The X100 and X101 feature dual-role Wiegand connectivity that allows them to function as primary controllers (via Wiegand Input) managing multiple secondary readers to enable comprehensive bi-directional entry and exit verification.

### RFID Standalone Reader (Secondary Reader Mode):

The X100 and X101 operate as smart secondary RFID reader (via Wiegand Output), that seamlessly integrates with existing access control systems and controllers. In this configuration, the X100 and X101 offer standalone capabilities while feeding data to your primary access control system, providing flexible expansion without replacing existing infrastructure.

Above all, the X100 and X101 are certified with an IP66 protection rating for water-resistant and dustproof, making them ideal solutions for both indoor and outdoor applications.

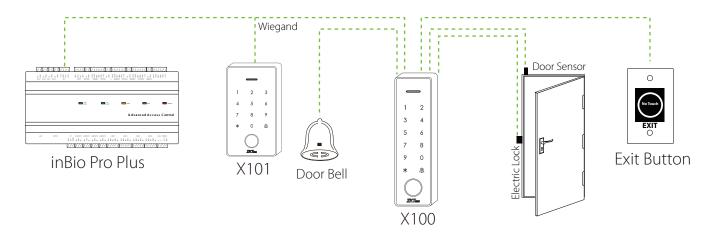
### **Features**

- Multi-modal authentication, including fingerprint and custom PIN codes for enhanced security.
- Standalone operation with integrated user management. No additional software is required.
- Versatile Wiegand connectivity (Wiegand Input / Output) capability for flexible system integration.
- Certified with IP66 protection rating for water-resistant and dustproof.

# **Specifications**

Model   X100 / X101     Display   N/A     Authentication method   Fingerprint / Card / PIN Code (Physical Touch Keypad)     User Capacity   10,000 (1:N) (Standard)     Card Capacity   10,000 (1:N) (Standard)     Fingerprint Template Capacity   500 (1:N) (Standard)     Transaction Capacity   N/A     Max. User Password Length   Support 4 to 10 Digit number (Factory Default: 4 digits)     Biometric Verification Speed   less than 0.3 sec (Fingerprint)     False Acceptance Rate (FAR) %   FAR ≤ 0.0001%     False Rejection Rate (FRR) %   FAR ≤ 0.01%;     Card Type   1D Card @13.56 MHz (Optional)     Card @13.56 MHz (Optional)     Wiegand (26-44bits Input / Output)*1     Electric Lock*1, Door Sensor*1, Exit Button*1, Doorbell*1     Access Control, Buzzer, Multiple Verification Methods, LED Status Indicators: Orange: Programming Green: Verification successful Red: Standby, Verification Fall 3 Beeps Operation Error: 3 Beeps; No Indicator     Doerating Temperature   -25°C to 60°C     Operating Temperature   -25°C to 60°C     Operating Humidity   10% to 90% RH (Non-condensing)     X100: 140mm * 45mm * 15mm (L*W*H)     X100: 0.21Kg   X101: 0.140Kg     Net Weight   X100: 0.105Kg   X101: 0.140Kg     Supported Software   N/A     Installation   Wall-mount   N/A     Installation   N/A		
Authentication method  User Capacity  Card Capacity  10,500 (1:N) (Standard )  Fingerprint Template Capacity  Transaction Capacity  N/A  Max. User Password Length  Biometric Verification Speed  False Acceptance Rate (FAR) %  False Rejection Rate (FAR) %  Card Type  Communication  Communication  Standard Functions  Standard Functions  Power Supply  Operating Temperature  Operating Humidity  Dimensions  Authentic Verification Seed  Fingerprint Template Capacity  N/A  Support 4 to 10 Digit number (Factory Default: 4 digits)  less than 0.3 sec (Fingerprint)  False Rejection Rate (FAR) %  FAR ≤ 0.0001%  FAR ≤ 0.0001%  False Rejection Rate (FRR) %  ID Card @125 kHz (Standard)  IC	Model	X100 / X101
User Capacity Card Capacity 10,500 (1:N) (Standard ) 10,000 (1:N) (1:N) (Standard ) 10,000 (1:N) (1	Display	N/A
Transaction Capacity  Fingerprint Template Capacity  Transaction Capacity  Max. User Password Length  Biometric Verification Speed  False Acceptance Rate (FAR) %  False Rejection Rate (FRR) %  False Rejection Rate (FRR) %  Card Type  Communication  Communication  Communication  Standard Functions  Power Supply  Operating Temperature  Operating Humidity  Dimensions  Cards Weight  Cards Weight  Cards Weight  Cards Weight  Card Type  Card Type  Dimensions  Card Type  Card Type  Card Type  Card Type  Dimensions  Card Type  Card Type  Card Type  Card Type  Card Type  Dimensions  Card Type  Card Type  Card Type  Card Type  Card Type  Dimensions  Card Type  Card Type  Card Type  Card Type  Card Type  Dimensions  Card Type  Card Place Set Cyttandard  Card Type  Card Type  Card Place Set Cyttandard  Card Pl	Authentication method	Fingerprint / Card / PIN Code (Physical Touch Keypad )
Fingerprint Template Capacity  Transaction Capacity  Max. User Password Length  Biometric Verification Speed  False Acceptance Rate (FAR) %  False Rejection Rate (FRR) %  False Rejection Rate (FRR) %  Card Type  Communication  Communication  Standard Functions  Standard Functions  Power Supply  Operating Temperature  Operating Humidity  Dimensions  Access Weight  Net Weight  Card Supported Software  Installation  Supported 4 to 10 Digit number (Factory Default: 4 digits)  N/A  Support 4 to 10 Digit number (Factory Default: 4 digits)  N/A  Support 4 to 10 Digit number (Factory Default: 4 digits)  N/A  Support 4 to 10 Digit number (Factory Default: 4 digits)  Support 4 to 10 Digit number (Factory Default: 4 digits)  Iess than 0.3 sec (Fingerprint)  FAR ≤ 0.001%;  FAR ≤ 0.004%  FAR ≤ 0.0	User Capacity	10,500 (1:N) (Standard )
Transaction Capacity  Max. User Password Length  Biometric Verification Speed  False Acceptance Rate (FAR) %  False Rejection Rate (FRR) %  False Rejection Rate (FRR) %  Card Type  Communication  Communication  Standard Functions  Standard Functions  False Support 4 to 10 Digit number (Factory Default: 4 digits)  ID Card @13.56 MHz (On0)%;  ID Card @125 kHz (Standard)  IC Card @13.56 MHz (Optional)  Wiegand (26-44bits Input / Output)*1  Electric Lock*1, Door Sensor*1, Exit Button*1, Doorbell*1  Access Control, Buzzer, Multiple Verification Methods,  LED Status Indicators:  Orange: Programming  Green: Verification successful  Red: Standby, Verification Fall 3 Beeps Operation Error: 3 Beeps; No Indicator  Power Supply  DC 12V 0.15A  Operating Temperature  -25°C to 60°C  Operating Humidity  10% to 90% RH (Non-condensing)  X100: 140mm * 45mm * 15mm (L*W*H)  X101: 115mm * 70 mm * 15mm (L*W*H)  X101: 0.23Kg  Net Weight  Net Weight  Net Weight  Net Weight  Non-condensing  Wall-mount	Card Capacity	10,000 (1:N) (Standard )
Max. User Password Length       Support 4 to 10 Digit number (Factory Default: 4 digits)         Biometric Verification Speed       less than 0.3 sec (Fingerprint)         False Acceptance Rate (FAR) %       FAR ≤ 0.0001%;         False Rejection Rate (FRR) %       FRR < 0.01%;         Locard @125 kHz (Standard) (C Card @13.56 MHz (Optional))         Wiegand (26-44bits Input / Output)*1 (Electric Lock*1, Door Sensor*1, Exit Button*1, Doorbell*1)         Access Control, Buzzer, Multiple Verification Methods, LED Status Indicators: Orange: Programming Green: Verification successful Red: Standby, Verification Fail 3 Beeps Operation Error; 3 Beeps; No Indicator         Power Supply       DC 12V 0.15A         Operating Temperature       -25°C to 60°C         Operating Humidity       10% to 90% RH (Non-condensing)         X100: 140mm * 45mm * 15mm (L*W*H) X101: 115mm * 70 mm * 15mm (L*W*H) X101: 115mm * 70 mm * 15mm (L*W*H) X101: 0.23Kg         X100: 0.21Kg X101: 0.140Kg         Supported Software         Installation       Wall-mount	Fingerprint Template Capacity	500 (1:N) (Standard)
Biometric Verification Speed False Acceptance Rate (FAR) % False Rejection Rate (FRR) % False Rejection Rate (FRR) %  Card Type  Communication  Communication  Communication  Standard Functions  Standard Functions  Standard Functions  Standard Functions  Comperating Temperature  Operating Humidity  Dimensions  Cross Weight  Net Weight  Supported Software  Installation  ID Card @125 kHz (Standard) IC Card @13.56 MHz (Optional)  Wiegand (26-44bits Input / Output)*1 Electric Lock*1, Door Sensor*1, Exit Button*1, Doorbell*1  Access Control, Buzzer, Multiple Verification Methods, LED Status Indicators: Orange: Programming Green: Verification successful Red: Standby, Verification successful Red: Standby, Verification Fror: 3 Beeps; No Indicator  Power Supply  DC 12V 0.15A  Operating Temperature  -25°C to 60°C  Operating Humidity  10% to 90% RH (Non-condensing)  X100: 140mm * 45mm * 15mm (L*W*H) X101: 115mm * 70 mm * 15mm (L*W*H) X101: 0.23Kg X101: 0.23Kg X101: 0.140Kg  Supported Software  N/A  Installation  Wall-mount	Transaction Capacity	N/A
False Acceptance Rate (FAR) % False Rejection Rate (FRR) %  Card Type  Communication  Communication  Standard Functions  Access Control, Buzzer, Multiple Verification Methods,  LED Status Indicators  Orange: Programming  Green: Verification Successful  Red: Standaby, Verification Fail 3 Beeps Operation Fail 4 Be	Max. User Password Length	Support 4 to 10 Digit number (Factory Default: 4 digits)
False Rejection Rate (FRR) %  Card Type  Communication  Communication  Standard Functions  Standard Functions  Standard Functions  Standard Functions  FRR ≤ 0.01%;  ID Card @125 kHz (Standard) IC Card @13.56 MHz (Optional)  Wiegand (26-44bits Input / Output)*1 Electric Lock*1, Door Sensor*1, Exit Button*1, Doorbell*1  Access Control, Buzzer, Multiple Verification Methods, LED Status Indicators: Orange: Programming Green: Verification successful Red: Standby, Verification successful Red: Standby, Verification Frail 3 Beeps Operation Error: 3 Beeps; No Indicator  Power Supply  DC 12V 0.15A  Operating Temperature  -25°C to 60°C  Operating Humidity  10% to 90% RH (Non-condensing)  X100: 140mm * 45mm * 15mm (L*W*H) X101: 115mm * 70 mm * 15mm (L*W*H) X101: 0.21Kg X101: 0.23Kg  Net Weight  Net Weight  Supported Software Installation  Wall-mount	Biometric Verification Speed	less than 0.3 sec (Fingerprint)
Card Type    Card @125 kHz (Standard)   IC Card @13.56 MHz (Optional)	False Acceptance Rate (FAR) %	FAR ≤ 0.0001%
Card Type  IC Card @13.56 MHz (Optional)  Wiegand (26-44bits Input / Output)*1 Electric Lock*1, Door Sensor*1, Exit Button*1, Doorbell*1  Access Control, Buzzer, Multiple Verification Methods, LED Status Indicators: Orange: Programming Green: Verification successful Red: Standby, Verification Fail 3 Beeps Operation Error: 3 Beeps; No Indicator  Power Supply  DC 12V 0.15A  Operating Temperature -25°C to 60°C  Operating Humidity  10% to 90% RH (Non-condensing)  X100: 140mm * 45mm * 15mm (L*W*H) X101: 115mm * 70 mm * 15mm (L*W*H)  Gross Weight  X100: 0.21Kg X101: 0.23Kg X101: 0.140Kg  Supported Software  N/A  Installation  Wall-mount	False Rejection Rate (FRR) %	FRR ≤ 0.01%;
Electric Lock*1, Door Sensor*1, Exit Button*1, Doorbell*1  Access Control, Buzzer, Multiple Verification Methods, LED Status Indicators: Orange: Programming Green: Verification successful Red: Standby, Verification Fail 3 Beeps Operation Error: 3 Beeps; No Indicator  Power Supply DC 12V 0.15A  Operating Temperature -25°C to 60°C  Operating Humidity 10% to 90% RH (Non-condensing)  X100: 140mm * 45mm * 15mm (L*W*H) X101: 115mm * 70 mm * 15mm (L*W*H) X101: 0.21Kg X101: 0.23Kg  Net Weight  Net Weight Supported Software Installation Wall-mount	Card Type	
Standard Functions  Corange: Programming Green: Verification successful Red: Standby, Verification Fail 3 Beeps Operation Error: 3 Beeps; No Indicator  Power Supply  DC 12V 0.15A  Operating Temperature  Operating Humidity  Dimensions  X100: 140mm * 45mm * 15mm (L*W*H) X101: 115mm * 70 mm * 15mm (L*W*H) X100: 0.21Kg X100: 0.22Kg X101: 0.23Kg  Net Weight  Net Weight  Supported Software  N/A  Installation  Wall-mount	Communication	
Operating Temperature Operating Humidity 10% to 90% RH (Non-condensing)  X100: 140mm * 45mm * 15mm (L*W*H) X101: 115mm * 70 mm * 15mm (L*W*H)  X100: 0.21Kg X101: 0.23Kg  Net Weight X100: 0.105Kg X101: 0.140Kg  Supported Software N/A  Installation Wall-mount	Standard Functions	LED Status Indicators: Orange: Programming Green: Verification successful Red: Standby, Verification Fail 3 Beeps
Operating Humidity  10% to 90% RH (Non-condensing)  X100: 140mm * 45mm * 15mm (L*W*H) X101: 115mm * 70 mm * 15mm (L*W*H)  X100: 0.21Kg X101: 0.23Kg  X100: 0.105Kg X101: 0.140Kg  Supported Software  N/A  Installation  Wall-mount	Power Supply	DC 12V 0.15A
Dimensions         X100: 140mm * 45mm * 15mm (L*W*H)           X101: 115mm * 70 mm * 15mm (L*W*H)           X100: 0.21Kg           X101: 0.23Kg           X100: 0.105Kg           X101: 0.140Kg           Supported Software           Installation           Wall-mount	Operating Temperature	-25°C to 60°C
Timensions  X101: 115mm * 70 mm * 15mm (L*W*H)  X100: 0.21Kg X101: 0.23Kg  X100: 0.105Kg X101: 0.140Kg  Supported Software  Installation  Wall-mount	Operating Humidity	10% to 90% RH (Non-condensing)
Net Weight  Net Weight  Supported Software  Installation  X101: 0.23Kg  X100: 0.105Kg  X101: 0.140Kg  Wall-mount	Dimensions	
Supported Software N/A Installation Wall-mount	Gross Weight	
Installation Wall-mount	Net Weight	<u> </u>
	Supported Software	N/A
	Installation	Wall-mount
Housing Material ABS	Housing Material	ABS
Ingress Protection Rating IP66 (waterproof and dustproof)	Ingress Protection Rating	IP66 (waterproof and dustproof)
Certifications ISO14001, ISO9001, CE, RoHS	Certifications	ISO14001, ISO9001, CE, RoHS

## Configuration



### **Dimensions (mm)**

