



WatchNET Access Integrated Security Management Software

Desktop Reader



Revision History

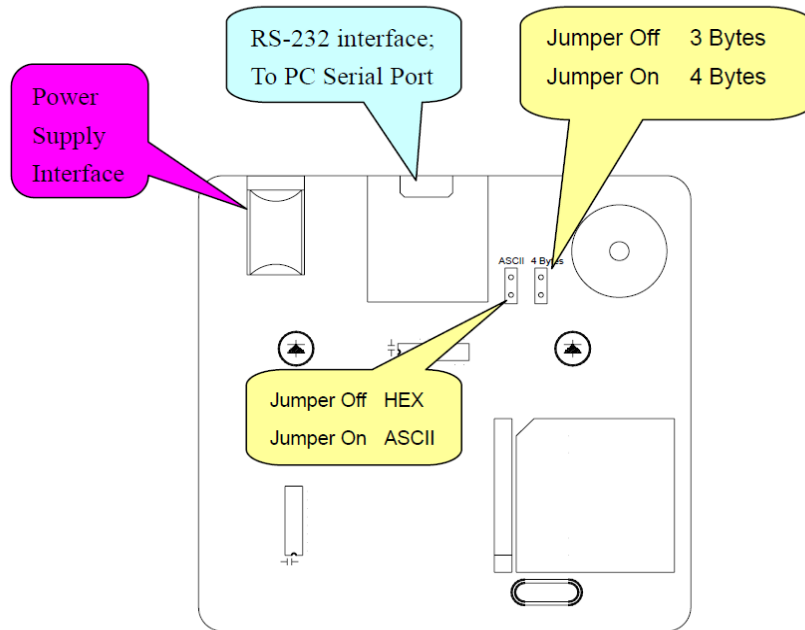
Revision	Date	Author	Description of Changes
1.0	12/12/2012	Pradeep Kumaran	Manual Created.
1.1	26/06/2014	Octavio Colantonio	Added Reader Connection Section.
1.2	21/12/2017	Peter Punzalan	Added configuration for USB desktop reader



Opening the Desktop Reader in order to set the mode should be done very carefully and slowly, to prevent any damage to the reader antenna. The antenna is soldered (connected) to both plastic parts of the reader casing. Opening the reader for more than 5 cm between the 2 plastic casing part, will damage the antenna.

Jumpers Settings Modes: Mode		Jumper Position		Output
No.	Description	ASCII	4 Bytes	
1	HEX 3 Bytes	OFF	OFF	Wiegand 26 Bits
2	HEX 4 Bytes	OFF	ON	Wiegand 34 Bits
3	ASCII 3 Bytes	ON	OFF	Wiegand 26 Bits
4	ASCII 4 Bytes	ON	ON	Wiegand 34 Bits

The default mode is 3 which is *ASCII 3 Bytes* with a *Wiegand 26 bits* output. This is set to work with WatchNET Access Software. To change the mode the 4 x screws on the unit must be undone using a star screw driver.

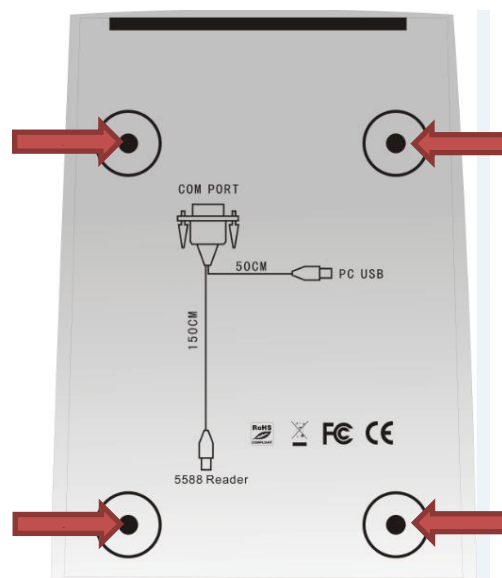


Reader Connections

USB (Longer Cable) → Desktop Reader

RS232 (DB9) → RS232 COM port of PC

USB (short Cable) - not used

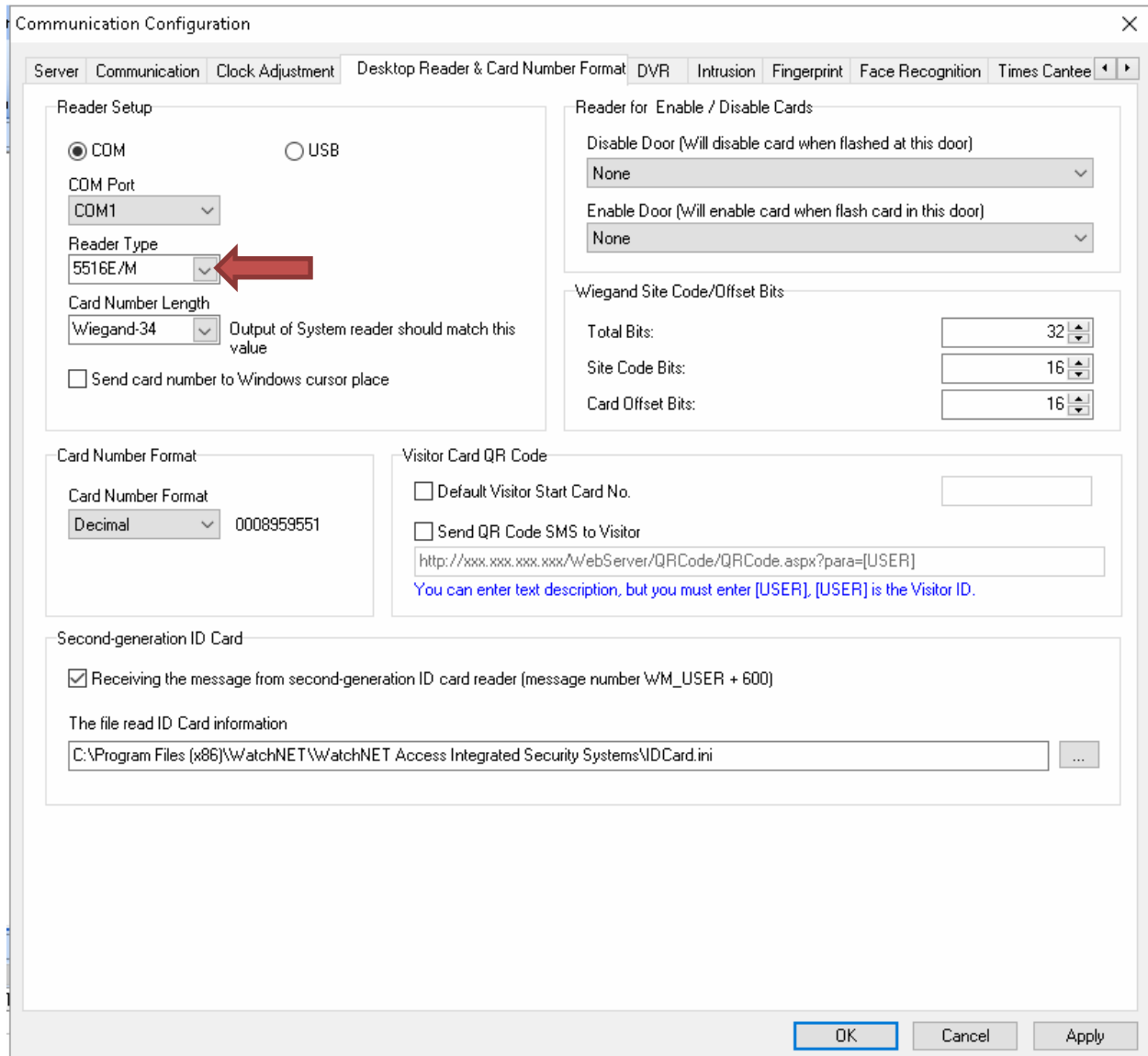


Note: Screws are located underneath the black rubber stops.

Before connecting the reader to the server, make sure you have already selected the correct mode. When using with *WatchNET Access Software* please ensure that *Desktop Reader Com Port* which is defined in the Software - Setup > *Communication Configuration* -> *Desktop Reader* Tab is configured to the same Serial Port (for example: COM1) which the reader is physically connected to on the PC

To check which Com Port the Desk Top Reader is connected to go to *Windows OS -Control Panel -> System -> Hardware -> Device Manager -> Ports (COM&LPT)*.

Also please ensure that none of the other applications are accessing the same com port as this Desktop Reader.



Communication Configuration

Server Communication Clock Adjustment Desktop Reader & Card Number Format DVR Intrusion Fingerprint Face Recognition Times Cantee

Reader Setup

COM USB

COM Port: COM1

Reader Type: 5516E/M

Card Number Length: Wiegand-34

Send card number to Windows cursor place

Reader for Enable / Disable Cards

Disable Door (Will disable card when flashed at this door): None

Enable Door (Will enable card when flash card in this door): None

Wiegand Site Code/Offset Bits

Total Bits: 32

Site Code Bits: 16

Card Offset Bits: 16

Card Number Format

Card Number Format: Decimal 0008959551

Visitor Card QR Code

Default Visitor Start Card No.

Send QR Code SMS to Visitor

http://xxx.xxx.xxx.xxx/WebServer/QRCode/QRCode.aspx?para=[USER]

You can enter text description, but you must enter [USER], [USER] is the Visitor ID.

Second-generation ID Card

Receiving the message from second-generation ID card reader (message number \M_USER + 600)

The file read ID Card information

C:\Program Files (x86)\WatchNET\WatchNET Access Integrated Security Systems\IDCard.ini

OK Cancel Apply

For Reader Type select 5516E/M and click OK.

USB Desktop Reader

For USB Desktop Reader, simply select the USB option on the Reader Setup.

Communication Configuration

Server Communication Clock Adjustment Desktop Reader & Card Number Format DVR Intrusion Fingerprint Face Recognition Times Cantee

Reader Setup

COM
 USB

COM Port

Reader Type
5588X-UH

Card Number Length
Wiegand-34 Output of System reader should match this value

Send card number to Windows cursor place

Reader for Enable / Disable Cards

Disable Door (Will disable card when flashed at this door)
None

Enable Door (Will enable card when flash card in this door)
None

Wiegand Site Code/Offset Bits

Total Bits: 32

Site Code Bits: 16

Card Offset Bits: 16

Card Number Format

Card Number Format
Decimal 0008959551

Visitor Card QR Code

Default Visitor Start Card No.

Send QR Code SMS to Visitor
http://xxx.xxx.xxx.xxx/WebServer/QRCode/QRCode.aspx?para=[USER]
You can enter text description, but you must enter [USER], [USER] is the Visitor ID.

Second-generation ID Card

Receiving the message from second-generation ID card reader (message number WM_USER + 600)

The file read ID Card information
C:\Program Files (x86)\WatchNET\WatchNET Access Integrated Security Systems\IDCard.ini

OK Cancel Apply