



WatchNET Access Integrated Security Management Software

WatchNET Access Quick Guide Software Installation





Revision History

| Revision | Date | Author | Description of Changes |
|----------|------------|----------------|--|
| 1.1 | 5/25/2018 | Peter Punzalan | Created quick guide installation |
| 1.2 | 9/20/2018 | Peter Punzalan | Updated Software version to 1.2.2.9 |
| 1.3 | 04/06/2020 | Peter Punzalan | Updated Software version to 1.2.5.0 |
| 1.4 | 06/08/2020 | Peter Punzalan | Updated Software version to 1.2.6.0 |
| 2.0 | 04/21/2022 | Peter Punzalan | Updated Software version to 1.2.15.0 and SQL to 2019 |
| 2.1 | 12/15/2022 | Peter Punzalan | Added Aperio Lock Integration |
| 2.2 | 12/13/2023 | Peter Punzalan | Added new OSDP controllers |

This quick guide installation will guide you on how to install the software and SQL server as well as adding controller and card holders.

1.1 Installing Watchnet Access Integrated Security Management Software

Go to WatchNET Access Software – Jan 2024\WatchNET Access Software Installation\WA Software Version 1.2.21.0 and run or double click the .exe file.

SQL2019

SN.txt

B WatchNET Access Integrated Security Systems Software 1.2.21.0.exe



Click "Next"

| dia watchNET Access Integrated Security Systems Setup | × |
|--|---------------------------|
| Welcome Welcome to the installer for WatchNET Access Integrated Security Systems 1.2 ACCESS | |
| | Integrated video security |
| | |
| Welcome | |
| Welcome to the installer for WatchNET Access Integrated Security Systems 1 | .2. |
| It is strongly recommended that you exit all Windows programs before continui installation. | ng with this |
| If you have any other programs running, please click Cancel, close the progra setup again. | ms, and run this |
| Otherwise, click Next to continue. | |
| | |
| | |
| | |
| | |
| < <u>B</u> ack <u>N</u> ext > | <u>C</u> ancel |

Accept the terms of the License Agreement and click *Next* to continue.



| 륡 WatchNET Access Integrated Security Systems Setup | × | |
|--|---|--|
| License Agreement Watch NET | | |
| Please read the license agreement below and click Next to continue. | Integrated video security | |
| WatchNET Access License Agreement | ^ | |
| 1. Granting of the License "C WatchNET Inc. grants to you the right to u copy of the enclosed WatchNET Access program, (the Software), on a terminal connected to a single computer (i.e. CPU). You may make one of Software for back-up purposes for use on your own computer. You must and include the copyright notice on the back-up copy. You may not netw Software or use it on more than a single computer or computer terminal a unless a license is purchased for each computer or terminal on the networ use the Software. You may transfer this Software from one computer to a provided that the Software, but you may transfer the Software and accomwritten material and this license to another person on a permanent basis | se one single copy of the reproduce work the t any time, ork that will nother, nay not panying provided | |
| I agree to the terms of this license agreement | | |
| I do not agree to the terms of this license agreement | | |
| < Back Next > | Cancel | |

Enter your Name and Company then click **Next** to continue.

| × |
|---------------------------------------|
| ch NET SS Video security |
| 1 |
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| ancel |
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Information listed, click *Next* to continue

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| 🕼 WatchNET Access Integrated Security Systems Setup | Х |
|--|---------------------------|
| Information | Watch NET |
| Please read the information below and click Next to continue. | ACCESS |
| | Integrated video security |
| This WatchnetAccess Integrated Security Systems License Agreement is compatible with the WatchnetAccess Series of Access Controllers as follo WATCHNETACCESS Model WAC-1D2 WATCHNETACCESS Model WAC-2D2 WATCHNETACCESS Model WAC-4D4 WATCHNETACCESS Model WAC-4D8 WATCHNETACCESS Model WAC-8D8 WATCHNETACCESS Model WAE-016 WATCHNETACCESS Model WAI-168 | DWS: |
| | ~ |
| < Back Next > | Cancel |

Copy and paste the serial number from the text file.

| ntegrated Security Systems Setup & Security Systems Setup | × |
|---|---------------------------|
| Serial Number | Watch NET |
| Enter your serial number and click Next to continue. | ACCESS |
| | Integrated video security |
| | |
| Serial Number: | |
| ••••• | |
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| | |
| < <u>B</u> ack <u>N</u> ext | > <u>C</u> ancel |
| | |

Open the SN.txt file (Included on the Installation folder), click Next to continue.



| | SN - Notepad — | × |
|----------|---|---|
| File | e Eth Format View Help | |
| SN | WatchNET Access Integrated Security Systems Software V1.0 2677-0911-1498-0001 | ^ |
| The f | e Install program sets up the default database as M5SQL as per the following: MSSQL user name: sa MSSQL user password: watchnet | |
| Wat (| tchnetaccess Default Operator: Dperator: Administrator Password: watchnet | |
| | | |
| | | ~ |
|) < | | > |

Make sure "Server Installation" is selected then click Next

| WatchNET Access Integrated Security Systems Setup | × |
|---|---------------------------|
| Options Select the options you want and click Next to continue. Watch | |
| | Integrated video security |
| Installation Options: | |
| Server / Client for this computer: O Client | |
| Server Name / IP Address: | |
| Length of Card Number | |
| 4 Bytes 8 Bytes | |
| Installed in Virtual Machine - No License Dongle | |
| Enable Administrator Privileges | |
| Note: Please read the options carefully, and choose what you want. | |
| < <u>B</u> ack <u>N</u> ext > | Cancel |

Note: Only check the box "Installed in Virtual Machine – No License Dongle" if you are installing it on a virtual machine as this is needed for licensing in the future.



Check all features if needed otherwise only leave WatchNET Access Integrated Security Systems checked and then click Next

| WatchNET Access Integrated Security System | ms Setup X |
|---|--|
| Select Packages Please select the program features that you want to install ACC | |
| | Integrated video security |
| Program Features: WatchNET Access Integrated Security Time & Attendance Guard Tour Meeting Canteen Visitor Card Printer Map Monitor | Access Control System, CCTV and Intrusion System (1.37 GB) |
| Total space required: 975.6 MB | |
| < <u>B</u> ack | x <u>N</u> ext > <u>C</u> ancel |

Click Next.



Icon shortcuts can be installed on all windows users or current user only



| ntegrated Security Systems Setup | × |
|--|---------------------------------|
| Shortcut Folder Where would you like the shortcuts to be installed? | WatchNET ACCESS |
| - | Integrated video security |
| The shortcut icons will be created in the folder indicated below. If you don't default folder, you can either type a new name, or select an existing folder from the second secon | want to use the om the list. |
| Shortcut Folder: | |
| WatchNET Access Integrated Security Systems | ~ |
| Install shortcuts for current user only Make shortcuts available to all users | |
| < <u>B</u> ack <u>N</u> ext > | <u>C</u> ancel |

Click Next.

| 🕼 WatchNET Access Integrated Security Systems Setup | × |
|---|--------------------|
| Ready to Install You are now ready to install WatchNET Access Integrated Security Systems 1.2. | WatchNET ACCESS |
| The installer now has enough information to install WatchNET Access Int Security Systems on your computer. | egrated |
| The following settings will be used: | |
| Install folder: C:\Program Files (x86)\WatchNET\WatchNET Access Integ Systems | grated Security |
| Shortcut folder: WatchNET Access Integrated Security Systems | |
| Please click Next to proceed with the installation. | |
| | |
| | |
| < Back Next > | Cancel |

Click *Next* to install.

Click Yes to install Microsoft SQL 2008 Server Express Edition

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Note: If SQL is already installed on the computer, you can skip this installation by clicking No

Click Ok to continue



Wait for the extraction to be finish.

In the SQL Server Installation Center window click on "New SQL Server stand-alone installation or add features to an existing installation.



Check the "I accept the license terms" and click on Next.

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| 髋 SQL Server 2019 Setup | - |
|---|--|
| License Terms To install SQL Server 2019, | you must accept the Microsoft Software License Terms. |
| License Terms Global Rules | MICROSOFT SOFTWARE LICENSE TERMS |
| Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Feature Configuration Rules Installation Progress Complete | MICROSOFT SQL SERVER 2019 EXPRESS These license terms are an agreement between you and Microsoft Corporation (or one of its affiliates). They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft services or software updates (except to the extent such services or updates are accompanied by new or additional terms, in which case those different terms apply prospectively and do not alter your or Microsoft's rights relating to pre-updated software or services). If YOU COMPLY WITH THESE LICENSE TERMS, YOU HAVE THE RIGHTS BELOW FOR EACH SERVER YOU PROPERLY LICENSE. BY USING THE SOFTWARE, YOU ACCEPT THESE TERMS. IF YOU DO NOT ACCEPT THEM, DO NOT USE THE SOFTWARE, INSTEAD, RETURN IT TO THE RETAILER FOR A REFLIND OR CREDIT If you cannot obtain a refund there contact Copy Print SQL Server transmits information about your installation experience, as well as other usage and performance data, to Microsoft to help improve the product. To learn more about data processing and privacy controls, and to turn off the collection of this information after installation, see the documentation. |
| | < Back Next > Cancel |

Click Next >

| 🃸 SQL Server 2019 Setup | - | | \times |
|----------------------------------|---|-------------|----------|
| Microsoft Update | | | |
| • Use Microsoft Update to che | ck for important updates | | |
| | | | |
| License Terms | Microsoft Update offers security and other important updates for Windows and other N | Aicrosoft | |
| Global Rules | software, including SQL Server 2019. Updates are delivered using Automatic Updates, o | r you can y | visit |
| Microsoft Update | the Microsoft Update website. | | |
| Product Updates | Use Microsoft Update to check for updates (recommended) | | |
| Install Setup Files | Microsoft Update FAO | | |
| Install Rules | Minerer féllendete Deinerer Gesternent | | |
| Feature Selection | Microsoft opdate Privacy statement | | |
| Feature Rules | | | |
| Feature Configuration Rules | | | |
| Installation Progress | | | |
| Complete | | | |
| | | | |
| | | | |
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| | | | |
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| | | | |
| | | | |
| | < Back Next > | Canc | el |
| | | | |

Under Feature Selection, make sure to select only the following:

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Instance Features

✓ Database Engine Services

- SQL Server Replication
- Machine Learning Services and Language Extensions

🗌 R

Python

🗌 Java

Full-Text and Semantic Extractions for Search

PolyBase Query Service for External Data

Java connector for HDFS data sources

Shared Features

- Client Tools Connectivity
- Client Tools Backwards Compatibility
- Client Tools SDK

SQL Client Connectivity SDK

🗹 LocalDB

Redistributable Features

And then click **Next >** to continue

| SQL Server 2019 Setup | | | - | | × |
|---|--|---|---|--|-----------------------------------|
| Select the Express features to in | nstall. | | | | |
| License Terms Global Rules Microsoft Undoto | Looking for Reporting Service | ces? <u>Download it fro</u> | m the web | | |
| Product Updates Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete | Instance Features Database Engine Services SQL Server Replication Machine Learning Ser R Python Java Full-Text and Semanti PolyBase Query Service Java connector for | n vices and Language c Extractions for Sei re for External Data r HDFS data sources | The configuration and operation of e instance feature of a SQL Server insta isolated from other SQL Server instan Prerequisites for selected features: Already installed: Windows PowerShell 3.0 or highe Microsoft Visual C++ 2017 Redist Disk Space Requirements Drive C: 1498 MB required, 145430 MB | ach nce is ces. SQL r ributable 8 available | • • • • • • • • • • • • • • • • • |
| | Select All Unselect All Instance root directory: Shared feature directory: Shared feature directory (x86): | C:\Program Files\Mi C:\Program Files\Mi C:\Program Files (x8 | crosoft SQL Server\ crosoft SQL Server\ 6)\Microsoft SQL Server\ | ···· | |
| | | | < Back Next > | Cancel | |

Click **Next >** to continue.



| 🏗 SQL Server 2019 Setup | | | | | _ | | \times |
|--|---|---------------------|-----------------------|-----------------------|----|-------|----------|
| Instance Configuration | n | | | | | | |
| Specify the name and instance | e ID for the instance of S | QL Server. Instance | ID becomes part of t | ne installation path. | | | |
| License Terms Global Rules | Default instance Named instance: | SQLEXPRESS | | | | | |
| Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress | Instance ID: | SQLEXPRESS | | | | | |
| | SQL Server directory: | C:\Program Files\ | Microsoft SQL Server\ | MSSQL15.SQLEXPRES | S | | |
| | Instance Name | Instance ID | Features | Edition | Ve | rsion | |
| Complete | | | | | | | |
| | | | | < Back Next | > | Cance | 4 |

Change the **Startup Type for SQL Server Browser to Automatic** and then click **Next >** to continue.

| 🃸 SQL Server 2019 Setup | | | | - | | × |
|---|--|---|---|------------------------------|--------------|----|
| Server Configuration | | | | | | |
| Specify the service accounts and | collation configuration. | | | | | |
| License Terms Global Rules | Service Accounts Collation | use a separate account for each | SOL Server servi | ice | | |
| Microsoft Update Product Updates | Service | Account Name | Password | Startu | р Туре | |
| Install Setup Files Install Rules | SQL Server Database Engine SQL Server Browser | NT Service\MSSOL\$SOL NT AUTHORITY\LOCAL | | Autom Autom | atic atic | ~ |
| Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete | Grant Perform Volume Mainte This privilege enables instant to information disclosure by a <u>Click here for details</u> | nance Task privilege to SQL Ser file initialization by avoiding zer llowing deleted content to be a | ver Database En oing of data pa <u>c</u> ccessed. | gine Servico ges. This ma | e y lead | |
| | | < Bac | k Next | Þ | Cance | el |



Select **"Mixed Mode (SQL Server authentication and Windows authentication)"** and enter **"watchnet**" for password and then click **Next >**

| 髋 SQL Server 2019 Setup | | _ | |
|---------------------------------|--|-------------------|----------|
| Database Engine Confi | ouration | | |
| Carrife Database Englisher with | | | |
| parallelism, Memory limits, and | Filestream settings. | л | |
| License Terms | Server Configuration Data Directories TempDB Memory User Instances | FILESTREAM | |
| Global Rules | | | |
| Microsoft Update | Specify the authentication mode and administrators for the Database Engir | ne. | |
| Product Updates | Authentication Mode | | |
| Install Setup Files | O Windows authentication mode | | |
| Install Rules | Mixed Mode (SQL Server authentication and Windows authentication) | | |
| Feature Rules | Specify the password for the SQL Server system administrator (sa) account. | | |
| Instance Configuration | | | |
| Server Configuration | | | |
| Database Engine Configuration | Confirm password: | | |
| Feature Configuration Rules | Specify SQL Server administrators | | |
| Installation Progress | PETER-2021\Punzalan-watchnet (Punzalan-watchnet) SQL Serve | er administrators | have |
| Complete | unrestrict | ed access to the | Database |
| | Englie. | | |
| | | | |
| | Add Current User Add Remove | | |
| | | | |
| | | | |
| | < Back | Next > | Cancel |
| | | | |

Note: User can setup their own password for the "sa" account

| 📸 SQL Server 2019 Setup | - | - 🗆 | × |
|---|---|--------------|---------|
| Installation Progress | | | |
| License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete | Install_sql_engine_core_shared_Cpu64_Action : ProcessComponents. Updating component | t registrati | on |
| | Next > | Can | icel .: |



Wait for the installation to finish and then click **Close**

| 🟗 SQL Server 2019 Setup | | | _ | | × |
|--|--|--|--------|----------|---|
| Complete Your SQL Server 2019 installati | on completed successfully with product upd | ates. | | | |
| License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete | Information about the Setup operation or Feature Database Engine Services SQL Server Replication SQL Browser SQL Writer LocalDB Client Toole Rachwards Compatibility Details: Install successful. Summary log file has been saved to the for C\Program Files\Microsoft SQL Server\15 2021 20220421 141504.bt | possible next steps: Status Succeeded Succeeded Succeeded Succeeded Succeeded Succeeded Succeeded Succeeded | Summar | y PETER- | × |
| | · | | | Close | • |

Optional Installation for SQL Server Management Studio: (This additional feature is use by a tech support from watchnet in order to troubleshoot some issues in the future)



Click the "Install SQL Server Management Tools:

| 髋 SQL Server Installation Center | | – 🗆 X |
|-----------------------------------|--|--|
| Planning Installation | New SQL Ser Launch a wiz features to a | ver stand-alone installation or add features to an existing installation ard to install SQL Server 2019 in a non-clustered environment or to add n existing SQL Server 2019 instance. |
| Maintenance Tools Resources | Launch a dor internet conr | erver Reporting Services wnload page that provides a link to install SQL Server Reporting Services. An nection is required to install SSRS. |
| Options | Install SQL Se Launch a dou SQL Server of SQL Server P install these t | erver Management Tools wnload page that provides a link to install SQL Server Management Studio, pmmand-line utilities (SQLCMD and BCP), SQL Server PowerShell provider, rofiler and Database Tuning Advisor. An internet connection is required to cools. |
| | Install SQL Se Launch a dou provides Visu SQL Databas Integration S | erver Data Tools wnload page that provides a link to install SQL Server Data Tools (SSDT). SSDT al Studio integration including project system support for Microsoft Azure e, the SQL Server Database Engine, Reporting Services, Analysis Services and ervices. An internet connection is required to install SSDT. |
| | Upgrade from Launch a wiz Click here | n a previous version of SQL Server ard to upgrade a previous version of SQL Server to SQL Server 2019. to first view Upgrade Documentation |
| Microsoft SOL Server 2019 | | |
| | | |

Note: This installation requires and internet connection because you need to download the SSMS-setup.

Once you click the "Install SQL Server Management Tools it will open a web page to download the SSMS". $(\rightarrow C) = d_{\text{obs}} d_{\text{$



Once you download the installation file, double click and run the installation



| V Today (2) | |
|--|---|
| SSMS-Setup-ENU.exe | 4/21/2022 3:27 PM |
| ······································ | |
| Click Install to proceed | |
| RELEASE 18.11.1 Microsoft SQL Server M with Azure Data Studio Welcome. Click "Install" to begin. | – Management Studio |
| C:\Program Files (x86)\Microsoft SQL Server Management Studio | ¹⁸ Change |
| By clicking the "Install" button, I acknowledge that the License Terms for <u>SQL Server Management Stu</u> SQL Server Management Studio transmits information about y usage and performance data, to Microsoft to help improve th and privacy controls, and to turn off the collection of this infor documentation | I accept the <u>Privacy Statement</u> and <u>dio</u> and <u>Azure Data Studio</u> rour installation experience, as well as other e product. To learn more about data processing rmation after installation, see the <u>Close</u> |
| Wait for the installation Close | |
| | |



Close the SQL Server Installation Center to finish the SQL Installation

Close

Restart

| 🐮 SQL Server Installation Center | | - 🗆 × |
|-----------------------------------|---|---|
| Planning Installation | F | New SQL Server stand-alone installation or add features to an existing installation Launch a wizard to install SQL Server 2019 in a non-clustered environment or to add features to an existing SQL Server 2019 instance. |
| Maintenance Tools Resources | | Install SQL Server Reporting Services Launch a download page that provides a link to install SQL Server Reporting Services. An internet connection is required to install SSRS. |
| Options | | Install SQL Server Management Tools Launch a download page that provides a link to install SQL Server Management Studio, SQL Server command-line utilities (SQLCMD and BCP), SQL Server PowerShell provider, SQL Server Profiler and Database Tuning Advisor. An internet connection is required to install these tools. |
| | K | Install SQL Server Data Tools Launch a download page that provides a link to install SQL Server Data Tools (SSDT). SSDT provides Visual Studio integration including project system support for Microsoft Azure SQL Database, the SQL Server Database Engine, Reporting Services, Analysis Services and Integration Services. An internet connection is required to install SSDT. |
| | | Upgrade from a previous version of SQL Server Launch a wizard to upgrade a previous version of SQL Server to SQL Server 2019. Click here to first view Upgrade Documentation |

WinPcap Setup Wizard: (WinPcap is a network packet capture tool used by the access software and it is necessary to be installed)

| 🌐 WinPcap 4.1.3 Setup | - 🗆 X |
|-----------------------|---|
| | Welcome to the WinPcap 4.1.3 Setup Wizard This Wizard will guide you through the entire WinPcap installation. For more information or support, please visit the WinPcap home page. http://www.winpcap.org |
| | Next > Cancel |

Click Next > to continue

Read the license agreement and click the *I Agree* button.

| 🕞 WinPcap 4.1.3 Setup — | - | × |
|--|-------------------------------|----------|
| License Agreement Please review the license terms before installing | ng WinPcap | o 4.1.3. |
| Press Page Down to see the rest of the agreement. | | |
| Copyright (c) 1999 - 2005 NetGroup, Politecnico di Torino (Italy). Copyright (c) 2005 - 2010 CACE Technologies, Davis (California). Copyright (c) 2010 - 2013 Riverbed Technology, San Francisco (California). All rights reserved. | | ^ |
| Redistribution and use in source and binary forms, with or without modifical permitted provided that the following conditions are met: | tion, are | |
| Redistributions of source code must retain the above copyright notice, th conditions and the following disclaimer. Redistributions in binary form must reproduce the above copyright notice | his list of e, this list (| of 🗸 |
| If you accept the terms of the agreement, click I Agree to continue. You mu agreement to install WinPcap 4.1.3. | ist accept I | the |
| Nullsoft Install System v2.46 | | Iancel |

Click on *Next* to continue with the installation.

| 🌐 WinPcap 4.1.3 Setup | | _ | | × |
|---------------------------------|--|-------------|------------|----|
| WinPcap | Installation options Please review the following options befor 4.1.3 | e installir | ng WinPcap | |
| ☑ Automatically start th | e WinPcap driver at boot time | | | |
| Nullsoft Install System v2,46 - | < Back Ins | itall | Cance | el |

| 🌍 WinPcap 4.1.3 Setup | - 🗆 × |
|-----------------------|--|
| | Completing the WinPcap 4.1.3 Setup Wizard |
| | WinPcap 4.1.3 has been installed on your computer. |
| | Click Finish to close this wizard. |
| | |
| | |
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| | |
| | |
| | |
| | |
| | < Back Finish Cancel |

Click *Finish* and installation is done.

| WatchNET Access Integrated Security Systems Setup | × |
|---|---------------------------|
| Installation Finished The installation has completed successfully. | WatchNET ACCESS |
| ······································ | Integrated video security |
| Installation Successful The WatchNET Access Integrated Security Systems 1.2 installation is comp Thank you for choosing WatchNET Access Integrated Security Systems! Please click Finish to exit this installer. | lete. |
| | |
| < <u>B</u> ack <u>Finish</u> | Cancel |

Now open the Watchnet Access Integrated Security System software.

Note: Every first time installation an error message will pop up showing linking database error, just click Yes to continue.

Select MS SQL and click Next

| 🔕 Database Lir | ık Wizard | | × |
|----------------|---|--------------------|---|
| \$ | Welcome Please Select Your Database Tupe | | |
| | Fields'e Select Tour D'atabase Type | | |
| | | | |
| | | | |
| | Database Type | | |
| | O MS Access | SQL | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | < | Back Next > Cancel | |

Select SQL Server Native Client 11.0 and click Next

| Database | Link Wizard | × |
|----------|---|----|
| | MS SQL Provider Please Select MS SQL Provider | |
| | | |
| | MS SQL Provider Microsoft OLE DB Provider for SQL Server SQL Server Native Client 10.0 SQL Server Native Client 11.0 | |
| | < Back Next > Canc | el |

The 1st **step** is to select a *Server Name*. This is the name of the PC that is running SQL. In the example below the *Server Name* is *WATCHNETACESS\SQLEXPRESS*.

Note: If you do not see the Server name then click on the Refresh button.

Tip: If you still cannot see the Server name then you will need to connect to the SQL Server Management Studio

| Express to | obtain the Serve | er Name. 💺 | SQL Server New | r Manage | ment Stud | io |
|------------|---|--|---|-------------------|-----------|-------------------|
| 🔊 Database | Link Wizard | | | | | × |
| - | MS SQL Connection S | Settings | | | | |
| | Specify the following to 1.Select or enter a s WATCHNETACO 2.Enter information to Use Window © Use a speci | connect to MS-SQL erver name (PC Nar DESS\SQLEXPRES o log on to the MS S wsNT integrated sec ific user name and p | . server Data me): iS v iQL Server curity password | abase: Refresi | n | |
| | User Name: | sa | | | | |
| | password: | ******* | | | | |
| | 3. 💽 Select the MS | ; SQL Database nar | me on the M | S SQL S | erver: | |
| | WatchnetAcc | ess | | ~ | Encry | oted Connection (|
| | Create a MS S | SQL Database name | ed: | | | |
| | Using the MS S | GQL file named: | |] | Test Co | onnection |
| | | | < Back | 01 | < | Cancel |

2nd step: select: Use a specific user name and password.

Note: this information is under SN.txt from the folder such as username and password

3rd **step**: select the MS SQL Database name on the MS SQL Server.

Note: you can select the dropdown box and select **WatchnetAccess**

4th step: click Test Connection to if successful, message will pop up saying *Connection tested successful*

Default user and password are below

User: Administrator

Password: watchnet

| al 100 | | × |
|------------|-------------------------|---------------|
| - Q- W | atch net cess | - |
| Integrate | d video security | No. |
| User: | Administrator | ~ |
| Password: | ****** | |
| Save Passw | ord 🔲 Auto Run 🛛 🗌 | Run Minimized |
| V1.2.21.0 | Login Cance | el Help |

First step in adding controller:

1. Go to Setup - Communication Configuration

| <u>S</u> etup | | <u>M</u> onitor | <u>R</u> eport | Maintenan | | | | |
|---------------|---------------|-----------------|----------------|-----------|--|--|--|--|
| | Ha | ardware | | • | | | | |
| | Ca | ards | | • | | | | |
| | Event Alerts | | | | | | | |
| | Мар | | | | | | | |
| | Flow Control | | | | | | | |
| | UDP Broadcast | | | | | | | |
| | W | | | | | | | |
| | Sp | • | | | | | | |
| | Со | ommunicati | on Configu | Iration | | | | |
| | Ar | ea Name | | | | | | |
| | Sa | aved Event | s | • | | | | |
| | Ca | ar Parking | | | | | | |

2. Go to Communication Tab

| Communication Configuration | X | (|
|---|--|---|
| Server | Communication Network Delay Time 200 🕞 Milliseconds | |
| Communication | ✓ Get transactions one by one (RS485 Bus) ☐ Time duration between swipes for the same event ✓ Get Component Status with Component Events (During un-saved Component Events, don't check it) □ Status with Component Events (During un-saved Component Events, don't check it) | |
| Clock Adjustment | □ Record communication log □ Area will be changed by valid event (Without sensor, PC should be online). □ Every day will change all personnel area to the specific area ○ Dutside | |
| Desktop Reader && Card Number Format | WatchNET Access will recognize Access Level for invalid card (Server/Online recognize) Connect controller by WAN or Internet O Download Configuration for all controller manually | |
| DVR | Download Configuration for all controller automatically Using Card Change Log | |
| Intrusion | Network Controller Setup Host IP Address Key 0.0.0 d Image: Set the set of the s | |
| Fingerprint | Executing For OMAC address for keywords (for dynamic IP / WAN) Restart time (Sec) 107374182: • Image: Comparison of the provided state of the provided sta | |
| Face Recognition | Send UDP Reset Command when Network Controller is disconnect As client connect to Controller when Network Controller is disconnect Communication Mode Single thread | |
| Times Canteen | No new event, no communication between software and panels, High efficiency Always send "Get Event" command to panel, High bandwidth consumption | |
| Meeting | Timing Download Controller Parameters Confirmed by Centre Time 1 Time 2 Time 3 Time 4 Time 5 Time 6 Timeout(S) | |
| Send Events Packets | | |
| | OK Cancel Apply | |
| 3. Click the Comp | uter Icon beside the Host IP Address | |

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4. Clicking this button should change the Host IP Address to match the IP address of the computer *Note: Computer must be set to static IP address and not dynamic to prevent the connection failure of the controller to the server when the router reboots and assigns a new IP address to the computer*

- 5. Click **OK** to close the window
- 6. Go to **Controller Configuration** Icon

WatchNET Access Integrated Security Systems Software - Server

| Search | Add | Delete | Edit |
|------------|---------------|---------------|-------------------|
| Download C | Configuration | Download Conf | ig to All (Local) |

8. Search and Upload Controller window will pop up.

| Search and Upload Controller | | | | | \Leftrightarrow | |
|---------------------------------|---------------------------|--------------|--------|-------------|-------------------|------------------|
| Search Options | Please select controllers | Total: | 0 PCS | Do not show | existing device | 20 |
| O COM Port | ID Model | Firmware COI | M/IP I | Mac Address | Site | |
| СОМ1 ~ | | | | | | |
| TCP/IP Auto Refre Refresh | | | | | | |
| 0.0.0 0 | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 0/0 Select All Invert Selection | < | | | | | > |
| Standalone Fingerprint | Clear | | | S | elect All | Invert Selection |
| Search | | | | | Save | Close |

There is two ways of adding a controller, using COM Port and TCP/IP

Connecting using COM Port:

1st Click the **COM Port** box and select the correct **COM port number**

| (| Search and Upload Controller | | | | | | | | | \Leftrightarrow | | × |
|---|------------------------------|----------|-------------|-----------------|----------|-------|--------|-----|---------------|-------------------|-----|---|
| ſ | Search Options | | Please sele | ect controllers | | Total | : 0 | PCS | 🗌 Do not shov | v existing devic | es: | |
| | COM Port | | ID | Model | Firmware | | COM/IP | | Mac Address | Site | | |
| | COM1 · | ~ | | | | | | | | | | |
| | COM1 | x | | | | | | | | | | |
| | COM2 COM3 | L | | | | | | | | | | |
| | COM4 | ъ | | | | | | | | | | |
| | COMS | н | | | | | | | | | | |
| | COM7 | | | | | | | | | | | |
| | COM8 | | | | | | | | | | | |

2nd Click **Search** button at the bottom of the window and wait for the controller come up on the right side then check the check box for the controller then click **Save** button at the bottom right

| 0/0 Select All Invert Selection | < | | > |
|---------------------------------|-------|------------|------------------|
| Standalone Fingerprint | Clear | Select All | Invert Selection |
| Search | | Save | Close |

Connecting using TCP/IP:

1st Click **NET** button beside 0.0.0.

| Search and Upload Controller | | | | | | | \Leftrightarrow | | × |
|------------------------------|-----------|------------------|----------|--------|-----|-------------|-------------------|----|---|
| Search Options | Please se | lect controllers | Tot | al: O | PCS | Do not show | v existing devic | es | |
| O COM Port | ID | Model | Firmware | COM/IP | | Mac Address | Site | | |
| COM1 ~ | | | | | | | | | |
| TCP/IP Auto Refre Refresh | | | | | | | | | |
| 0.0.0.0 🖻 NET 칠 | | | | | | | | | |
| | | | | | | | | | |

TCP/IP Setting window will pop up and will start searching the network for available controllers

| P 💿 TCP/IP Setting | | | | ⇔_ | \times |
|-------------------------|-------------|------------|-------|------|----------|
| Search | Mac Address | IP Address | Model | Name | |
| Manual Configure | | | | | |
| Auto Config | | | | | |
| Wizard | | | | | |
| Reset | | | | | |
| Reset All | | | | | |
| Connect Controller | | | | | |
| Connect All Controllers | | | | | |
| Exit | | | | | |
| Searching | | | | | |
| | | | | | |
| | | | | | |

2nd Double click the controller you want to connect

| TCP/IP Setting | | | | | × |
|------------------|---------------------|---------------|--------------|------|---|
| Search | Mac Address | IP Address 🛆 | Model | Name | |
| | 嶤 88.23.64.21.93.4E | 10.1.1.205 | C2100 Module | | |
| Manual Configure | 嶤 88.23.64.21.97.09 | 192.168.8.101 | WAC-8D8ET | | |
| Auto Config | 嶤 00.10.F0.00.50.1F | 192.168.8.102 | WAC-2D2T | | |
| Add Coning | 💑 00.10.F0.00.36.33 | 192.168.8.103 | WAC-4D8T | | |
| Wizard | 💑 88.23.64.21.93.69 | 192.168.8.104 | WAI-168T | | |
| | 💑 88.23.64.21.94.47 | 192.168.8.105 | WAB-X-FCK | | |
| Reset | | | | | |

3rd Input the IP address setting you want to assign on the controller or you can click **Auto Config** button and the software will auto assign an IP address to the controller depending on your network configuration

| TCP/IP Setting | × |
|----------------|-------------------------|
| Model: | WAC-8D8ET |
| Mac Address: | 88.23.64.21.97.09 |
| Name: | |
| | |
| IP Address: | 192.168.8.101 |
| Mask: | 255.255.255.0 |
| Gateway: | 192.168.8.1 |
| Port: | 8000 |
| Work Mode: | TCP Client \checkmark |
| Host IP: | 192.168.8.60 |
| Host Port: | 8000 |
| Wifi User Name | |
| Wifi Password | |
| Auto Config | OK Cancel |

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Click **OK** to continue

Note: The Host IP should match the computer/software's IP

The controller should appear on the Search and Upload Controller window

| Search and Upload Controller | | | \Leftrightarrow | | | |
|---------------------------------|--|--|--------------------------------|-----------------------|------|--|
| Search Options | P S TCP/IP Setting | | | | | |
| COM Port | [Search | Mac Address | IP Address △ | Model C2100 Modulo | Name | |
| | Manual Configure | 38.23.64.21.97.09 | 192.168.8.101 | WAC-8D8ET | | |
| ● 1 CP/IP ▲ Auto Herre Herresh | Auto Config | 🛃 00.10.F0.00.50.1F 🛃 00.10.F0.00.36.33 | 192.168.8.102 192.168.8.103 | WAC-2D2T WAC-4D8T | | |
| ☑ 192.168.8.101 WAC-8D8ET | Wizard | 38.23.64.21.93.69 38.23.64.21.94.47 | 192.168.8.104 192.168.8.105 | WAI-168T WAB-X-FCK | | |
| | Reset | 3-3 | | | | |
| | Reset All | | | | | |
| | Connect Controller | | | | | |
| | Connect All Controllers | | | | | |
| | Exit | | | | | |
| | Do not show existing devices | | | | | |
| | PC Network Configuration | 1 | | | | |
| | IP Address: 192.168.8.60 ~ | | | | | |
| | IP Mask: 255.255.255.0 ~ | | | | | |
| 1/1 Select All Invert Selection | Gateway: 192.168.8.1 ~ | | | | | |
| Search | Search finished. Total: 0 PCS. Search finished. Total: 6 PCS. Search finished. Total: 6 PCS. Set 88.23.64.21.97.09 parameter succ | cessfully! | | | | |

and if it does, close the TCP/IP setting window and check the ID box on the right side of the window and click Save

at the bottom

| Search and Upload Controller | | | | | | | \Leftrightarrow | | × |
|--|------------|-----------------|----------|-----------|------|---------------|-------------------|-----------|--------|
| Search Options | Please sel | ect controllers | | Total: 1 | PCS | 🗌 Do not shov | v existing device | es | |
| O COM Port | ID | Model | Firmware | COM/IP | | Mac Address | Site | | |
| СОМ1 🗸 | 🗹 1 | WAC-8D8ET | V03.23 | 192.168.8 | .101 | 882364219709 | WatchnetAcc | ess Group | \sim |
| TCP/IP Auto Refre Refresh O . 0 . 0 . 0 NET International | | | | | | | | | |

The controller should now be listed on the Controller List

Controller Configuration

| Controller List: | | | | | | | | |
|------------------|-----------------------|-----------|----------|--------------------|------------------|---------------|--------------|----------------------|
| Controller ID | Name | Model | Firmware | Connection Line ID | Host PC | COM/IP | Mac Address | Site Name |
| 1 | WAC-8D8ETController(8 | WAC-8D8E1 | V03.23 | | 4 PETER-WATCHNET | 192.168.8.101 | 882364219709 | WatchnetAccess Group |

You can now close the Controller Configuration window and start adding the cards

To Add a card from the card events, scan the card on the reader and double click the invalid card on the card events

| C | vents. | | | | | | | | |
|---|-------------|--------------------|---------------|------------|---------------------|--------------|-----------|----------------------|------------|
| ſ | Card Events | | | | | | | | |
| | Acknowledg | e Description | End | Location | View Captured | Confirm Open | 🗾 🗹 Auto | Refresh | |
| | Auto ID | TimeStamp | EventDate | EventTime | ent Name + Door Na | First Name | Last Name | Site Name | Card No. |
| | 1 | 2019-12-16 3:34:12 | PM 2019-12-16 | 3:34:12 PM | Invalid Card-Door 7 | | | WatchnetAccess Group | 0001380811 |

1st Input the **First Name**, **Last Name** and select the **Department** on **the Basic Information** tab

| Personal Information | | × |
|----------------------|----------------------|--------------------------|
| Basic Information | Personal Information | n 1 Code |
| Card | First Name* | Peter Last Name Punzalan |
| Access Level | ID Number | Gender V |
| | Department | Head Office |
| Fingerprint | Group | Group Name V Position V |
| Fingerprint Reader | Joining Date | |
| 5. | Last Day | ··· 🔽 🔁 🕅 🌫 🗙 |
| Face Info | Address | Floor No. |
| | TEL | E-Mail |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Card Events QR Code | e Card Print | OK Cancel Apply |

 2^{nd} Click **Card** tab and check the **Use Access Card** check box

| Personal Information | ; | × |
|----------------------|--|-------|
| Basic Information | Use Access Card | |
| Card | Card No.: 0001380811 Issue Code 0 Vice Cards | |
| Access Level | ID Card Custom ID: 0 | |
| Fingerprint | Deactivate 30 Days not used | Annly |
| Fingerprint Reader | Access Properties | |
| Face Info | Handicap Card Opens the Door for a longer time From: Manager Card No Anti-Passback Limitation; Open/Sc · · · : : Boss/Master Card Can open any Door anytime; Open/Sc Expiration: Temp Card · · · : : · · · : : | |
| | PIN Current Area PIN ID PIN 0000 Automatically 0000 Automatically Card Property for WAC-XDYE Balance Card Group None Twin Card Select Select | |
| | PIN Card * 0 # 4-8 digits Recharge Card | |
| Card Events QR Code | e Card Print OK Cancel Apply | |

3rd Click Access Level tab and check the Access Security Group to bring it to the right side

| Personal Information | | | | | | × | 7 |
|-----------------------|------------------|-----------------------|------------------|--------|-----------------|------------------------------|-----|
| Basic Information | urity Groups Acc | ess Doors | | | | | |
| No | Access S | ecurity Group | No. | Acces | s Security Grou | q | |
| Card | D 24 Hours |] | ▶ | | | | |
| Access Level | | | | | | | |
| Fingerprint | | | | | | | |
| Fin committee Doordon | | | | | | | |
| r ingerprint Keader | | | | | | |] |
| Face Info | | | Door Name | | | Access Time Ta | 1 |
| | | | Door 1 | | | Entry Always | |
| | | | Door 2 Door 3 | | | Entry Always Entru Alwaus | |
| | | | Door 4 | | | Entry Always | |
| | | | Door 5 | | | Entry Always | |
| | | | Door 6 | | | Entry Always Entru Always | |
| | | | Door 8 | | | Entry Always | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | |] |
| Card Events QR Code | Card Print | | | OK | Car | ncel Apply | |
| Basic Information | F Security and | | | | | | - |
| | No. | Access Security Group | | | No. | Access Security Gr | oup |
| Card | | | | | 0 🗹 | 24 Hours | |
| Page 30 of | f 31 | 3 | 51 Ferrier Stı | reet • | Markhan | n, ON • L3R 5Z2 | |

For all other configuration please refer on the full manual located on the Access Documentation – WA Manuals folder.