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ID Badging

Product Information



ID Badging Software

Our ID Badging solution is a licensed software program that is installed on a computer (see system requirements) and connects to Skyward software via an ODBC connection. The ODBC connection allows the software to access data in the Skyward database. A SQL query is used to pull the information wanted from Skyward after the ODBC connection is established. Most data filed in Skyward for students, staff, or volunteers can be utilized to make a customized credential.

For photos, if the Skyward data is self hosted, the software can point directly to the folder that houses pictures in Skyward to pull them onto the badge. It can also update the pictures in Skyward. For ISCorp hosted Skyward data, it must point to an external photo folder that is not on the Skyward database. ISCorp does not give us access to the photo folder directly due to security and performance concerns.



ID Badging Hardware

We offer supplemental ID Badging hardware that is guaranteed to work with the software solution. However, if you have existing hardware reach out to a School Technology Associates representative to see if what you have is compatible with the software.

ID Printers: We offer a variety of Evolis, Zebra, and Fargo ID Printers, and base our recommendations on if you want to print single sided or dual sided and the quantity of cards your district will generally be printing at a time.



Web Camera: We offer an HD web camera if your district would like to take their own pictures for the IDs.



Consumables: We offer ID Ribbons, Blank Cards, and Printer Cleaning kits for a variety of printer models. Select ID consumables can be purchased through our online shop [here](#).



If you need assistance selecting the correct consumables for your ID printer, or need consumables not available in our online shop reach out to us at sales@k12sta.com.



Single and multiple PC System Requirements

	Minimum	Recommended
Operating System	Windows 10 or Windows 11 (32 or 64 bit)	
Processor (CPU)	Intel Core i3	Intel Core i5
Memory (RAM)	1 GB	4 GB or more
Disk Space	50 MB	100 MB
Display	1024 x 768 or higher	
USB Ports	1 or more depending on the number of optional accessories (Printer, Web Camera, Video Camera, Fingerprint Scanner, and other)	
Database (MS SQL)	SQL Server 2014 Express Maximum Database Size is 10 GB	SQL Server 2019 Express or later Maximum Database Size is 10 GB
Network	100 MB	
Microsoft .NET Framework	.NET 4	

Database Server Requirements (Optional)

Operating System	Windows Server 2012 and up(32 and 64 bit)	
Processor (CPU)	Intel Core i3	Intel Core i7
Memory (RAM)	2 GB	8 GB
Disk Space	5 GB	10 GB
Database	SQL Server 2014 Express Maximum Database Size is 10 GB	SQL Server 2019 Express or later Maximum Database Size is 10 GB
Network	100 MB	GB Ethernet

SQL Server Best Practices

- Microsoft licenses SQL Servers per physical CPU. Dual-Core and quad-core processors count as only one CPU and will significantly reduce licensing costs versus an equivalent number of processors in a multi-processor computer.
- More is always better, more memory, level 2 cache, and faster hard drives will result in better performance.
- It is highly recommended that a separate workstation be used to run ID Badging Client Software. While it is possible to run other processes on the database server, this drains performance and is NOT recommended.

Database Backup

Power interruptions, hardware or network failure, and other unexpected circumstances can lead to unrecoverable data loss. We strongly recommend the purchase and scheduled use of a backup/archival solution.

Disclaimer: Recommendations are based on information available as of 12/22/2021 and does not constitute a guarantee of compatibility or performance

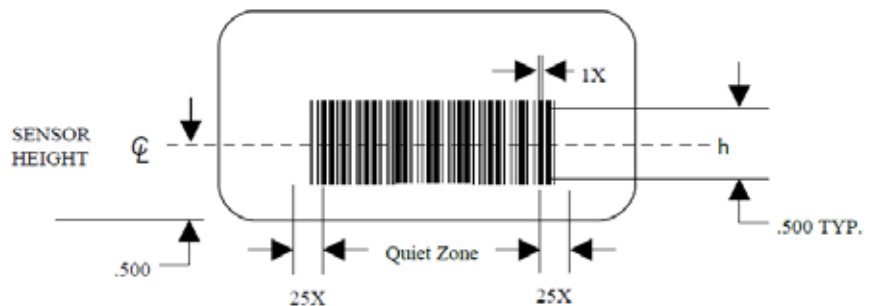
Additional Resources

Implementation Preparation

- Make sure to include one technical person and one person who has authority over badge design in the implementation process
- Have a general idea of what you would like your badges to look like and what you plan to use them for
- After purchase of software license, School Technology Associates will assist with setup and design template for first credential
- Communicate the new ID badge software and train any staff who may be involved with printing badges at the beginning of the school year and throughout the year for any badges that may need to be replaced

Barcode Recommendations

- The print contrast ratio (PCR) of the barcode should not be greater than .75 for light in the 600 to 920 nanometer wavelength range.
- The minimum width of the narrow barcode element should be .010".
- The width to height ration should be in the range of 2.2:1 to 3:1.
- A quiet zone of at least 25x the width of the narrow element is required on each end of the barcode.
- The height should be at least .250" high.
- The wider a barcode is, the longer it will take to read.



Can we use Proximity Cards?

Yes you can, we are able to print on pre-encoded proximity badges, overlays for clamshell proximity cards, and pre-encoded mag stripe badges.

What are school's experience with ID Badging?

Take a look at how Wylie ISD in Texas is utilizing ID Badging here:

[Badging a Campus at Wylie ISD](#)



Example of parent badge design utilized by Wylie ISD