SFC Server Recommendations

The following hardware and software requirements apply to a typical ShopFloorConnect (SFC) software installation and that the server be dedicated to SFC.

- OS: Windows Server 2016 (64 bit) or newer.
- Server Type: Server class, physical or virtual (dedicated to SFC)
- CPU Type: Dual Quad Core Processor (i.e., 2 CPU's each with 4 cores)
- CPU Clock Speed: 2.8 GHZ or greater
- RAM: Minimum 32 GB
- Hard Drive: Minimum 250 GB, High Speed (7200 RPM or greater) or solid-state Drive

The specifications above represent the minimum requirements for 20 to 30 machine connections. These requirements may need to be modified for installations greater than 30 machine connections (contact support@shopfloorconnect.com for requirements).

Microsoft SQL 2019/2022 Express will be provided & installed by our support team at no additional charge. Please do not preinstall the application.

The performance of the Express version of SQL is usually sufficient for up to about 30 machines but may degrade as additional machines and or users are added, or when report delivery frequency increases. For installations larger (> 30 machine connections) or multi-plant installations, SQL Standard is highly recommended.

SFC Pre-Installation Checklist (To be completed by company IT department)

- ☐ Apply Windows Security Updates and Patches
- ☐ Verify that .Net Framework 4.71 Mult-Targeting Pack has been installed
- ☐ Temporarily turn off local firewalls
- ☐ Turn off IE Enhanced Security Configuration
- ☐ Setup local SFC user account with full admin rights and non-expiring password
- ☐ Provide Internet Access on the server (This is for licensing a Third-Party Software called Kepware)
- ☐ If the drive is partitioned, specify the drive/s onto which SFC applications and databases are to be installed.

- ☐ Set permissions for allowing SFC reports to be emailed from the SFC server
- ☐ Set permissions for allowing SMS text messaging for SFC Alerts to be sent from the server (Optional but recommended)
- ☐ Provide SMTP Server Name or IP address and account info including password if applicable. If using Office 365 specify all account information.

- ☐ Verify that Ethernet cable runs between network switch and controls (i.e., SMI 2 and SmartPAC are less than 100 meters in length.