

Silent Hawk Series – Product Brief

Overview

JADTech's Silent Hawk Data Capture Unit (DCU) Product Line offers flexible, platform-independent, reliable solutions. Silent Hawk Products meet the needs, demands and specifications of any environment. Silent Hawk DCUs allow data acquisition to be done in minutes rather than days. Silent Hawk DCUs are supplied with all the hardware required for Data Capture.

Data from the a Source gets intercepted by a Silent Hawk DCU. It is then saved to a file on a Capture PC. Any data the Silent Hawk intercepts is referred to as Capture Data.

Legacy Operating System Capture PC Requirements – Silent Hawk I/II/III Units

- Any IBM Compatible PC running DOS 5.0 or later
- A Centronics parallel interface for connecting to the Silent Hawk DCU

Modern Operating System Capture PC Requirements – Silent Hawk E Series Units

- Windows 9X/NT/ME/2000/XP/Vista/7/8/8.1/10
- Windows Server 2003/2008/2012/2016/2019
- If using Linux, it has been reported that Debian-based Linux distributions are capable of running the Silent Hawk E Control Console Application using WINE
- An Ethernet network interface for connecting to the Silent Hawk DCU

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Silent Hawk Products Overview

- Silent Hawk I, Silent Hawk XE, Silent Hawk YE and Serial Silent Hawk YE DCUs facilitate the generation of Hard Copy Output alongside of any Capture Data they save.
- Silent Hawk II, Silent Hawk SE, Silent Hawk TE, and Serial Silent Hawk TE DCUs eliminate Hard Copy Output reducing the cost of ink, toner and paper needs. These DCUs still save Capture Data to a Capture PC and allow Users to electronically archive their Data.
- A Silent Hawk I, Silent Hawk XE, or Silent Hawk YE DCU when used with the Null Printer and A/B Switch Kit Option allows Users to choose whether or not Hard Copy Output is generated. This can be especially useful if an Audit or Certification requiring a physical traceability is periodically required.
Note: Due to the nature of Serial Communication, this option is not available for Serial DCUs.
- Simple Automated File Segmentation (AFS) is included with Silent Hawk XE, Silent Hawk SE, Silent Hawk YE, Silent Hawk TE, Serial Silent Hawk YE, and Serial Silent Hawk TE DCUs. AFS provides easy job (or batch) splitting and organization of Capture Data for seamless archiving and post-processing. For Silent Hawk I or II DCUs, an AFS Option is available for Legacy Operating System Capture PCs as it provides similar Automated File Segmentation functionality of the Silent Hawk E Series DCUs.
- A Silent Hawk III Unit contains the software and hardware necessary for proper hardware-level IEEE-1284 Analysis. It shows the various states of the hardware-level negotiations.
- A Silent Hawk III with the IEEE-1284.4 Decoder Analyzer Option can decode 1284.4 or MLC Data Packets for thorough analysis.
- Silent Hawk C-100 Null Printer and Silent Hawk Null Printer Lite Units are ideal choices to replace an existing Printer. By replacing the existing Printer, the Null Printer eliminates Hard Copy Output. This can drastically reduce ink, toner and paper costs while will allowing equipment to operate as normal.

Software Overview

- The Silent Hawk E Control Console with the Real Time Display (RTD) Option is able to remove Non-Printable Characters or Escape Codes from the Capture Data for further post-processing needs.
- For distinct File Segmentation needs based off different reports or print jobs the Unique Document Segmentation (UDS) Option is required.
Note: Additional customization of the UDS Option may be necessary. Call for more details.
- The Remote Viewer allows Users to view Capture Data in real-time from any location
- The Silent Hawk Network Monitor allows Users to remain constantly informed about the status and state of Silent Hawk Products installed at any given Site.
- Custom Middleware Applications process your data as it is captured in real-time. JADTech Middleware supports XML, JPG, BMP, and PDF file outputs. Other output formats are implementable in Custom Middleware Applications if information and structure are provided for their creation. Call to JADTech to discuss details.

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Kit Overview

- An A/B Switch with a Null Printer Kit is the only option that allows Users to choose whether or not Hard Copy Output is generated for Reports and Data. With this Switch Kit installed, Users can use the Switch to select whether the Null Printer or the Paper Printer is connected to the Data Source.
Note: Due to the nature of Serial Communications, this option is not available for Serial TE and Serial YE DCUs.
- An Ethernet Print Server Kit is required for Data Capture if Data is sent via Ethernet from the Data Source to the Printer. The Kit must be used with a Silent Hawk XE, Silent Hawk SE, Silent Hawk YE, or Silent Hawk TE DCU since these units feature a Parallel data interface. The Ethernet Print Server Kit is typically implemented on Modern Operating Systems Capture PCs, but it can be implemented on Legacy Operating System PCs as well.
- On Legacy Operating System Capture PCs, data acquisition from Data Sources with serial data interfaces is possible when a Silent Hawk I or II DCU is the purchased with a Serial-to-Parallel Conversion Kit. This Kit allows conversion of Serial Data to Parallel Data and after this conversion occurs, the data is passed to the Silent Hawk DCU's Capture Port.

Custom Software and Hardware Design

Any piece of software in JADTech's catalog can be customized for specific applications at a fixed price or a fixed hourly rate. In addition to these products and kits, JADTech provides custom software development at a fixed hourly rate. JADTech Corporation has experience with Embedded System and circuit design. Fixed prices for custom products are negotiable if detailed product specifications are provided.

Contact Details

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The JADTech Corporation Website showcases each product offered and provides a list of various applications Silent Hawk Products have been used for. To get more details on a given Silent Hawk Product, please refer the JADTech Corporation Website.