

USB Printing – Proficy HMI/SCADA – CIMPLICITY v1.1

Introduction

Past versions of Proficy HMI/SCADA –CIMPLICITY typically used the older parallel port technologies for printing to Proficy HMI/SCADA –CIMPLICITY alarms. This technology is now obsolete and has been replaced by the USB standard. This document will walk the Proficy HMI/SCADA –CIMPLICITY user through setting up a USB or network Alarm printer.

1. Setup Windows Printer

Printers and Faxes						_ _ ×
File Edit View Favorites To	ols Help					1
🕝 Back + 🕥 + 🏂 🔎	Search 😥 F	olders	🔅 🗙 🍤 🚺	<u></u> .		
Address 🔛 Printers and Faxes						💌 🛃 Go
Name 🝝	Documents	Status	Comments	Location	Model	-
🛃 Add Printer						
Lexmark 8300 Series	0	Ready			Lexmark 8300 Serie	es
실 Microsoft XPS Document Writer	0	Ready			Microsoft XPS Docu	har
🖢 Send To OneNote 2010	0	Ready			Send To Microsoft	
🗟 Xerox Phaser B&W on defedmit2 👘	n	Unable to				
itatus: Ready Documents: 0						1

Figure 1.1 – Confirm Install/Operation of Windows Printer

2. Create Alarm Printer in CIMPLICITY

🅅 📾 🔊 👘 = 🕨 🛞 🗟 🥃 🖓 🖏 🎉 😳	(= 4, 5, 0, 0, 1) 🕑 h h h 🖄 🏂 🖡	i da bi bi be	HMI			
Project Screens Objects Classes	A Name	Node ID	Destination	Page Width	Page Length	Page Header Date For.
Points Alarms Alarm Classes Alarm Srings Alarm Printer Alarm OPC Client	New Alarm Log Printer Name: USBPRINTER	OK Cancel				
One of the second						
B Advanced D Mananed Filer sady	▼			CM disabled		

Figure 1.2 – Create new alarm printer



3. Configure Alarm Printer Properties

The Output field in older configuration typically used the printer port i.e. LPT1. When using a local USB printer the printer name is used as shown in Figure 1.1.

Alarm Printer - AMLP_MASTER_USBPRINTER	X
General Layout Date/Time Format	
 Log events ✓ Log alarms ✓ Alarm logging options ✓ Generated alarms ✓ All alarm classes ✓ Acknowledged alarms ✓ Alarm class: ✓ HIGH ✓ Peleted alarms 	
Dutput Lexmark 8300 Series	
OK Cancel Apply Help	

Figure 1.3 – Configure Output USB printer

4. Printing Alarms

When you print directly to a USB printer the Alarm Page functionality does not print alarm messages as they happen, by default. Instead, it waits until there is a full page of alarms to send to the printer as configure in Figure 1.4.

To print the current set of unprinted alarms:

Click Tools>Command Prompt on the Workbench menu bar.

A DOS window opens in the CIMPLICITY project directory.

Enter amlp_flush.exe.

Result: The alarms will be printed.

Note: You can also initiate amlp_flush.exe from scripts within the CIMPLICITY environment. This will trigger printing whenever the specified conditions (for example an alarm going off) are met.

GE Intelligent P	latforms
---------------------	----------

Page setup		
Page <u>l</u> ength: Page <u>w</u> idth:	66 ÷	
- Redundancy-		
<u> </u>	alarm printing	

Figure 1.4 – Page setup for printing alarms