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Technical Service Bulletin

Form:

00-02-1677 Revision B01

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Product:

Vantage

Summary:

This bulletin provides the procedure to upgrade and replace the Vantage RTC (60-08008).

Tools Required:

- PFLoader (backup and restore program)
- USB Debug Adapter
- Computer (Use the Vantage workstation)

Parts Required:

RTC part # 60-08008 (required only when replacing the RTC board)

Important notes:

1. Use the Vantage workstation to carry out this procedure. This procedure requires that the network connection from the Vantage and the USB Debug adapter be connected to the same PC. It is possible to use a different PC. However, the Ethernet port on the PC must have the same IP address as the Vantage workstation (130.24.11.113).

We need to understand what version of Firmware is installed on the RTC.	
1. On the Vantage operating panel, select "Options"	Papery Vantage PAN Standard • • • • • • • • • • • • • • • •
2. Select "System Center"	Proper Ventage Click: Language English Audio Level: k Recall Last Image K Message Center System Center CLOSE
 Scroll the screen to the Left until the "Real Time Controller" (RTC) screen is visible. 	Software: 2.0.4.2 Bootbader: v 2.32 OS: v 6.00.06 VantageTouch Panel O O O O
 Write down the RTC Version. You will need this later. 	Version: 2.9 Protocol: 6 Real Time Controller • • • • •

5.	Now we need to shut down the pan	
	server	
	 Press CTRL + ALT + Del on the Key board. 	
	• A window will appear that gives you	
	the option to launch the task	
	manager	
	Once the test menoger is lownshed	🖼 Windows Task Manager
6.	Once the task manager is launched,	File Options View Help
	select the "Processes" tab.	Applications Processes Services Performance Networking Users
		Image Name User Name CPU Memory (Description
		csrss.exe SYSTEM 00 664 K Client Ser dwm.exe Progen 00 7,420 K Desktop
		explorer.exe Progen 00 11,096 K Windows i_view32.exe *32 Progen 00 2,764 K IrfanView
		Isass.exe SYSTEM 00 1,836 K Local Sec Ism.exe SYSTEM 00 880 K Local Ses
		Progeny.SDK.Panoramic.Server.exe *32 Progen 01 11,080 K Vantage SearchIndexer.exe SYSTEM 00 1,684 K Microsoft
		services.exe SYSTEM 00 2,992.K Services smss.exe SYSTEM 00 72.K Windows
		spoolsv.exe SYSTEM 00 1,488 K Spooler S sppevc.exe NETWO 00 716 K Microsoft
		sqlservr.exe *32 NETWO 00 4,072 K SQL Serv sqlwriter.exe SYSTEM 00 588 K SQL Serv
		svchost.exe network 7,200 https://www.com/instructures/ svchost.exe SYSTEM 00 1,872 K Host Proc
		svchost.exe LOCAL 00 5,252.K Host Proc svchost.exe SYSTEM 00 50,456 Host Proc
		svchost.exe SYSTEM 00 8,408 K Host Proc svchost.exe LOCAL 00 4,476 K Host Proc
		svchost.exe LOCAL 00 4,860 K Host Proc svchost.exe NETWO 00 964 K Host Proc
		svchost.exe LOCAL 00 156 K Host Proc svchost.exe SYSTEM 00 16,036 K Host Proc
		System SYSTEM 00 64K NT Kernel System Idle Process SYSTEM 98 24K Percenta
		taskhost.exe Progen 00 816 K Host Proc taskmgr.exe Progen 01 2,216 K Windows
		winint.exe SYSTEM 00 132.K Windows winlogon.exe SYSTEM 00 784.K Windows
		WILDFHost.exe LOCAL 00 1,608 K Windows
		Show processes from all users End Process
		Processes: 34 CPU Usage: 1% Physical Memory: 24%
7.	At the bottom ensure you have "show	
	processes from all users" selected.	
8.	Find and highlight "Progeny SDK	Windows Task Manager
	Panoramic Server. exe " in the list. Select	Applications Processes Services Performance Networking Users
	"end process"	Image Name User Name CPU Memory (Description
	ena process	CSTSR.exe SYSTEM 00 516 K Client Ser
		dvm.exe Progen 00 7,420 K Desktop exolorer.exe Progen 00 11.096 K Windows
	This will stop the Pan Server and allow	i_view32.exe *32 Progen 00 2,764 K IrfanView Isass.exe SYSTEM 00 1,836 K Local Sec
	you to continue with the upgrade.	Ism.exe SYSTEM 00 880 K Local Ses Progeny.SDK.Panoramic.Server.exe *32 Progen 01 11,080 K Vantage
		SearchIndexer.exe SYSTEM 00 1,684.K Microsoft services.exe SYSTEM 00 2,992.K Services
	You may now close the Task Manager.	smss.exe SYSTEM 00 72.K Windows spoolsv.exe SYSTEM 00 1,488.K Spooler.S
	,	sppsv.exe NEUWO 00 716 K Microsott sqlservr.exe *32 NETWO 00 4,072 K SQL Serv
		sqWriter.exe STSTEPP 00 Sock SQLSerV svchost.exe NETWO 00 4,268 K Host Proc
		svchost.exe NETWO 00 2,524 K Host Proc
		svchost.exe SYSTEM 00 50,436 K Host Proc svchost.exe SYSTEM 00 8.408 K Host Proc
		svchost.exe LOCAL 00 4,476 K Host Proc svchost.exe LOCAL 00 4,860 K Host Proc
		svchost.exe NETWO 00 964 K Host Proc svchost.exe LOCAL 00 156 K Host Proc
		svchost.exe SYSTEM 00 16,036 K Host Proc System SYSTEM 00 64 K NT Kernel
		System Idle Process SYSTEM 98 24 K Percenta taskhost.exe Progen 00 816 K Host Proc
		taskmgr.exe Progen 01 2,216 K Windows wininit.exe SYSTEM 00 132 K Windows
		wimpgrin.exe STS IEM 00 784 K Windows WimPrySE.exe NETWO 00 2,136 K WME Prov
		VIDUT I NOVI I NOVICACE LOCHE UU J,000 N. WITCOMS
		End Process End Process
		Processes: 34 CPU Usage: 1% Physical Memory: 24%

9.	jÿ PFLoader	
	Installing PFLoader	
	PFLoader is being installed.	
	Please wait	
	Cancel < Back Next >	
10. When the installation is	🔁 PFLoader	1
complete, the window shown will be displayed.	Installation Complete	
	PFLoader has been successfully installed.	
	Click "Close" to exit.	
	Please use Windows Undate to check for any critical undates to the INET Framework	
	Cancel < <u>B</u> ack Close	
		1
 Launch PFLoader by Left double clicking the icon on your desktop. 	PFLoader	
12. The window shown will be	Pricoader VI.0.1.0	
displayed.	RTC Controller Select File XCB Controller Chip Type: C8051F310 Adapter: EC30001228F Load Simire:	Save As Default





20. We will now reprogram the RTC	
21. Select "EPROM Load"	PFLoader V1.0.10 RTC Controller Chip Type: C8051E340 Adapter: EC30001228E Load Struct: Socket, not connected Save As Default
22. Locate the Backup you created earlier and Select "Open"The backup will have the extension "eep" on it.	Open Open
23. The writing of the file to the RTC will begin.When complete, the status will indicate "Data written successfully"	
24. Now we will write the RTC Firmware back on to the RTC Board.Select "RTC Controller"	PFLoader V1.01.0 RTC Controller Select File Chip Type: C8051F340 Adapter: EC30001228F Chip Save RTC EPROM Load Sthue: Save As Default

25. Select the "…" button to navigate to where the firmware is located.	PFLoader V1.0.10 RTC Controller Select File XCB Controller Chip Type: CB051F340 Adapter: EC30001228F Adapter: EC30001228F Status Exits, written successfully Save As Default
26. Earlier you wrote down the RTC version that was loaded on your machine. Now we need to reload that RTC version. Select the correct firmware for your Machine and select " Open "	Cyce • * * Recent MAND PRO (E) • • * Recent MAND PRO (E) • > Organization Name folder IIII • • * Recent MAND PRO (E) • >
27. The firmware you selected will be shown in the Select File window.	PFLcader V10.1.0 RTC Controller Select File E\60-Z0001_B-RTCB-v2.9.hex Chip Type: C8051F340 Adapter: EC30001228F Load Stript::DAt: written successfully Save As Default
28. Select " Load "	PFLoader V1.0.10 RTC Controller Select File Ex60-20001_B-RTCB-v2.9.hex Chip Type: C8051F340 RTC EPROM Save RTC EPROM Save RTC EPROM Load Adapter: EC30001228F Save As Default Load Elements
29. When the firmware has been written to the board successfully, the status will indicate "Firmware loaded successfully"	PFLoader V10.1.0 RTC Controller Select File Ex60-Z0001_B-RTCB-v2.9.hex Chip Type: C8051F340 Adapter: EC3000122EF Adapter: FC3000122EF Save As Default

