

# P1000 User Manual Version 1.0



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## SAFETY INSTRUCTIONS

- 1. Read these instructions carefully. Keep these instructions for future reference.
- 2. Please disconnect this device from AC outlet before cleaning. Do not use liquid or spray detergent for cleaning. Use moisture sheet or cloth for cleaning.
- 3. Please keep your device safe from high levels of humidity.
- 4. Install the device and its driver on a surface plate. Any tilt plate might cause damage.
- 5. Do not place anything over the power cord. And avoid people from stepping on it
- 6. Please be aware cautious note or warnings on the device.
- 7. If the device will not be used for a long time, please unplug the power cord to avoid damages by transient overvoltage.
- 8. Never pour any liquid into the device; this could cause fire or electrical shock.
- 9. If one of the following situations happens, get the device checked by a service personnel: a. The power cord or plug is damaged.
  - b. Liquid has penetrated into the device.
  - c. The device has been exposed to moisture.
  - d. The device does not work well or you cannot get it work according to user manual.
  - e. The device has dropped and damaged.
- 10. Do not leave this device in an environment unconditioned, storage temperature below -20°C or above 60°C, it may damage the device.
- 11. Unplug the power cord when doing any service or adding optional kits.

#### **Lithium Battery Caution:**

- 1. 1. Danger of explosion can happen if the battery is incorrectly replaced. Replace only the original or equivalent type recommended by the manufacture. Dispose used batteries according to the manufacture's instructions.
- 2. Do not remove the cover, and ensure no user serviceable components are inside. Take the unit to the service center for service and repair.

# **CE Notice**

This device complies with the requirements of the CE directive.

# **WEEE Notice**

This appliance is labeled in accordance with European Directive 2002/96/EC concerning waste electrical and electronic equipment (WEEE). The Directive determines the framework for the return and recycling of used appliances as applicable throughout the European Union. This label is applied to various products to indicate that the product is not to be thrown away, but rather reclaimed upon end of life per this Directive.



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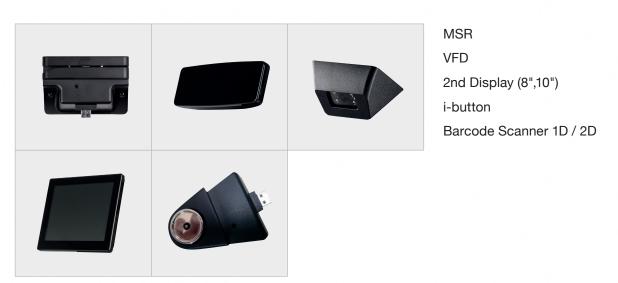
# PACKING LIST

## 1-1 Standard Accessories

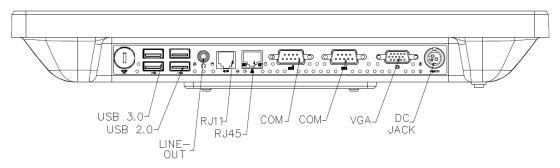


System (with stand) Power cord Driver Bank

# 1-2 Optional Accessories

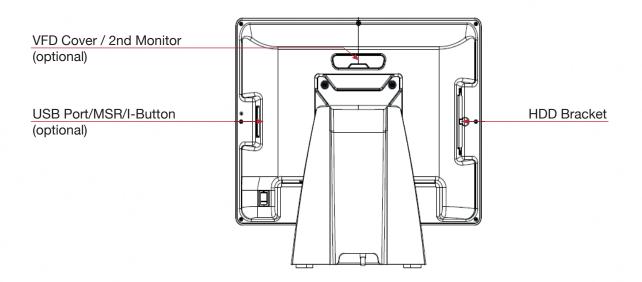


## 2-1 Rear View



Please make sure the 19V DC is plugged in the right direction before plugging in DC jack.

## 2-2 Back View

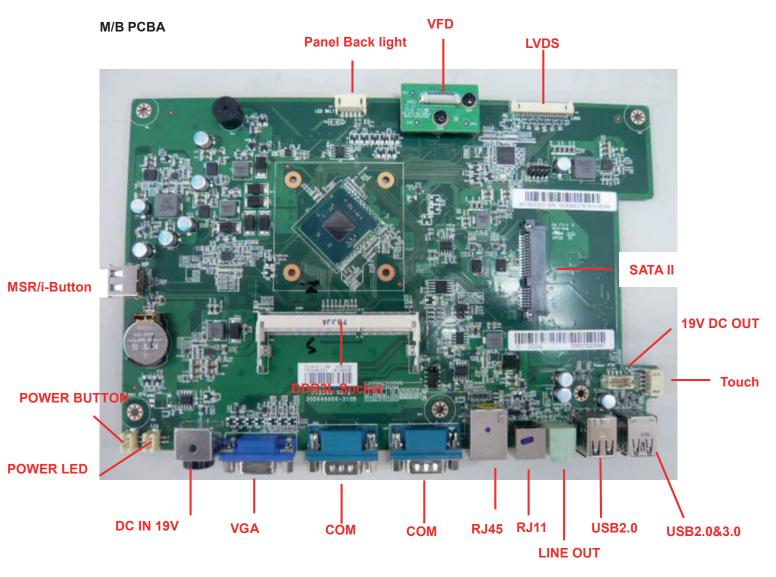




# 2-4 Internal Layout

Display Size			15" TFT LCD	
	Resolution		1024 X 768	
Display E	Brightness / Color		300 cd/m <sup>2</sup> , 16.7M colors	
E	Backlight		LED	
Touch Panel	Гуре		Projected Capacitive touch	
Processor (	CPU/ Chipset		Intel® Celeron J1900 Quad-Core 2.0Ghz	
Memory			X 1 SO-DIMM socket supports up to 8GB	
Storage			X 1 (2.5" SATAII HDD or SSD)	
L	JSB 2.0		X 4 (Rear X 3, Side X 1)	
L	JSB 3.0		X 1 (Rear)	
F	Powered CON	1 (RS232)	X 2 (DB9 powered COM 5V/ 12V selected by jumper)	
I/O Connectors	Cash Drawer Port		X 1 (24V RJ11 cash drawer port)	
	Audio Port	Line-out	X 1	
L	LAN		x 1 (RJ45 10/100/1000 Base-T)	
V	VGA		X 1 (DB15)	
C	DC In		Lockable 3-pin DC input	
OS Support	OS Support		Win 10 IoT Enterprise	
<b>Optional Peripherals</b>	5		VFD / 8"/10.4" 2nd display / MSR / iButton	
Power Supply			60W 19V lockable 3-pin power adapter	
-	Tomporatura	Operation	32° to 95° F (0° to 40° C)	
Environment	Temperature	Storage	-4° to 140° F (-20° to 60° C)	
F	Relative Humidity		20% to 80% non-condensing	
Dimension (W x H x D) mm			364 x 339 x 229	
Certifications			CE / FCC / LVD	
Protection	Protection		IP64 on front bezel	

## 2-4 Internal Layout



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No.	Definition	No.	Definition
1	6-bit/8-bit selection	2	GND
3	DATA3+	4	DATA3-
5	GND	6	CLK+
7	CLK-	8	GND
9	DATA2+	10	DATA2-
11	GND	12	DATA1+
13	DATA1-	14	GND
15	DATA0+	16	DATA0-
17	GND	18	GND
19	+3.3V	20	+3.3V

#### 1. LVDS connector Pin Definition

#### 2. DC Jack Pin Definition

No.	Definition
1	+19V
2	Ground
3	+19V



COM1	J2
+5V	1-3
Default	3-5
+12V	7-9

COM2	J2
+5V	2-4
Default	4-6
+12V	8-10

You can change the com port voltage by jumper

## 4. SATA: 22-pin SATA Pin Definition

No.	Definition	No.	Definition
S1	GND	P1	N/C
S2	SATA_TX0_P	P2	N/C
S3	SATA_TX0_N	P3	N/C
S4	GND	P4	GND
S5	SATA_RX0_N	P5	GND
S6	SATA_RX0_P	P6	GND
S7	GND	P7	+5V
		P8	+5V
		P9	+5V
		P10	GND
		P11	GND
		P12	GND
		P13	N/C
		P14	N/C
		P15	N/C

#### 7. Power On/Off connector Pin Definition

No.	Definition
1	+5V Standby
2	+5V Status
3	Power On#
4	GND

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#### 8. 1D/2D scanner connector Pin Definition

No.	Definition
1	+5V
2	USB D-
3	USB D+
4	GND

## 9. Projected capacitive touch connector Pin Definition

No.	Definition
1	+5V
2	USB D-
3	USB D+
4	GND

#### 10. Resistive touch connector Pin Definition

No.	Definition
1	+5V
2	RxD
3	TxD
4	GND

#### 11. COM3 connector Pin Definition

No.	Definition
1	DCD#
2	RxD
3	TxD
4	DTR#
5	GND
6	DSR#
7	RTS#
8	CTS#
9	+5V/+12V/Ring
10	GND

#### 12. Sideward MSR connector Pin Definition

No.	Definition
1	+5V
2	USB D-
3	USB D+
4	GND
5	+5V
6	USB D-
7	USB D+
8	GND

#### 13. RJ11 (Cash Drawer) connector Pin Definition

No.	Definition	
1	GND	
2	C/D_OPEN#	
3	C/D Status	
4	+24V	
5	N/C	
6	GND	

#### 14. VFD connector Pin Definition

No.	Definition
1	RTS#
2	DSR#
3	TxD
4	RxD
5	CTS#
6	DTR#
7	+5V
8	USB D-
9	USB D+
10	GND



# **REAR I/O INTERFACE**

No.	Definition	No.	Definition
1	+5V	5	+5v
2	D-	6	D-
3	D+	7	D+
4	GND	8	GND

#### 1. 2-Layer USB2.0 connector Pin Definition

#### 2. 2-Layer USB3.0+2.0 connector Pin Definition

No.	Definition	No.	Definition
1	+5V	8	TX-
2	D-	9	TX+
3	D+	10	+5V
4	GND	11	D-
5	RX-	12	D+
6	RX+	13	GND
7	GND		

#### 3. LAN: RJ45 Pin Definition

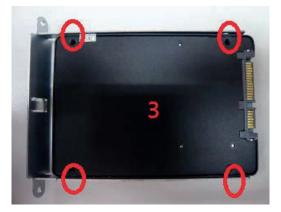
No.	Definition
1	MDI0A+
2	MDI0A-
3	MDI1A+
4	MDI1A-
5	MDI2A+
6	MDI2A-
7	MDI3A+
8	MDI3A-

#### 4. LINE-OUT JACK Pin Definition

No.	Definition
1	GND_AUD
2	GND_AUD
3	LINE_OUTR2
4	LINE_OUTL2
5	LINE2-JD

## 5-1. HDD





- 1. Dis-fasten 2 screws.
- 2. Pull out the hard drive case in an outward direction to remove it from the system.
- 3. Install the hard drive in the hard drive case and fasten 4 hard drive case screws.



# 5-2. Memory



- 1. Dis-fasten 11 screws and remove the back cover.
- 2. Insert the RAM into the RAM slot.

## 5-3. MSR / i-Button / RFID



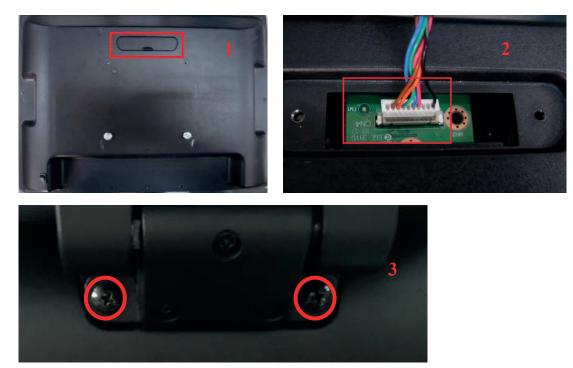




- 1. The MSR/iButton easily install on the side of the LCD Touch Screen's USB 2.0 connector.
- 2. Insert the USB connector on the MSR/iButton into the side USB port
- 3. Secure the module with the two screws onto the system.



# 5-4. VFD / 8"or 10" 2nd Display

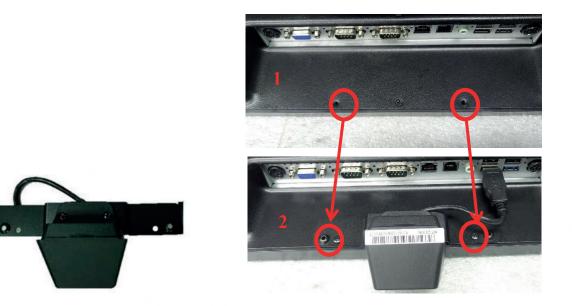


- 1. Remove top cover.
- 2. Either plug the VFD cable into the VFD connector or plug the 8" or 10" 2<sup>nd</sup> display cable into the

2<sup>nd</sup> display's connector (note: display connector can only be connected to one device at a time).

3. Install VFD with 2 screws / Install 8" or 10"2nd display with 2 screws.

## 5-5. 1D/2D Barcode Scanner



- 1. Install the barcode scanner with bracket attached by tightening the 2 screws
- 2. Plug the barcode scanner Type-A Male USB cable into a USB port



## 6-1. MagSwipe Card Reader + iButton Configuration Utility

The MagSwipe Configuration Utility is used to set up the output format of MagSwipe CIDTestAp V07.01 Operation Manual

- 1. Device Connection
- 2. Utility Features
- 3. Configuration Setup

Version: V01.00.

1. Device Connection

#### 1. USB(HID) Interface

Select the USB HID device which has been plug into the PC USB port, enter the correct Vendor ID = 0E6A and Device ID then press 'OK", different device has its own Device ID., e.g. DID=0x030F for keyboard and HID USB, DID=0x5082 for keyboard, HID and VCP USB.

Co	nnect to				X
	Interface:				
	СОМ	PS2	USB (CCID)	USB (HID)	
	Vendor Device I		E6A 30F		
		OK		Cancel	

#### 2. Utility Features

After success device connection each supported command will get its response, e.g. Get Version command should response with the device HW/FW version, for all command set supported please reference its programming guide.There are two command/response windows can be used (see block1 & 2).

For second level device the Indirect command signal should be selected (see block3 & 4).

Press the button "Configure Word" to enter the parameter setting function (see Block 5). The two response windows show up the data from the device connected.

	Issue Commands		N.	1	Receptor		
Connect	Command: Options: Arguments:	GET VERSION	•]	Send	[Get version information] Hardware version: 04.00 Application code: 02.01		*
Disconnect	A3 st			Î			
Configure Word				-	Hex Display 👻	Place new response on top Auto dear previous response	
formation	Command Script:	Command Script HID.CID		2			
tatus: connected	Command: Sub Command:	GET_VERSION		•	Send	Data Monitor Console	Clear SW1/SW2 H
TS/CTS	St Data:				MD_BYTE value	GET_VERSION: 12:31:40.8-2	2 ->
Reset Device	Indirect	//Command format: <s1 [Send:] STX CMD_BYTE [Send:] LRC [//02h.01h.00h.00h.03h</s1 	TX> <cmd_by< td=""><td></td><td>N&gt; <lrc></lrc></td><td>12:31:41.422 &lt; 02:00:04:04:00:02:01:01</td><td></td></cmd_by<>		N> <lrc></lrc>	12:31:41.422 < 02:00:04:04:00:02:01:01	
evice Status: leady		//Response format. <st // HH.HH. (two bytes) h // SS.SS (two bytes) so</st 	Dt> <apdu_le ardware versio ftware version</apdu_le 	N> <hh,hh,ss n HH,HH SS.SS</hh,hh,ss 	,88> <lrc></lrc>		

2. Configuration Setup

Device functions(e.g. MSR, iButton, RFID, Chip card) behavior can be defined and stored by this tool.

Four operation buttons define as below:

"Load From File": Load the previous setting configuration file from storage.

"Save To File": Save the current screen setting to file in storage.

"Get Configuration Word": Get current setting in the device connected.

"Set Configuartion Word": Set current setting on the screen to the device connected.

nfigure Word		
Load From File Save To File	gure Word rack 1 (JIS II) Enable 👽 Upper Case	MSR :
et Configure Word	Track 2 Enable     Track 3 Enable     Track 3 Enable     Tracks Spearator/Terminator Enable     Tracks Error Report Enable	Response Port : PS2 COM VCOM USB (HID) Head/Tail Message(max 10 bytes each) Track 1 (JIS II) Head Track 1 (JIS II) Tail Track 2 Head Track 2 Tail
et Configure Word	Tracks Sentinel Enable Fracks Sentinel Enable Fracks Sentinel Enable Fracks Sentinel	Track 3 Head Track 3 Tail Invisible Code
	RFID Auto Enable     Beep Enable	

16 parameter areas(see below) are used for four functions, each function related area should be setup correctly and press Set Configure Word button before operation.

MSR function areas: 1,2,5,6,9,11,12,13

iButton function areas: 2,3,5,7,10,11,14

RFID function areas: 2,4,5,8,11,15

Chip card function areas: 16

Configure Word Setu	p - USB (HID)	
Configure Word		
Get Configure Word	Configure Word Track 1 (JIS II) Enable Upper Case Track 2 Enable Track 3 Enable Tracks Spearator/Terminator Enable	Image: 13         MSR :         Response Port :         O PS2       COM         Image: 10 bytes each         Image:
Set Configure Word	<ul> <li>Tracks Error Report Enable</li> <li>Tracks Sentinel Enable</li> <li>Head/Tail Enable</li> <li>Head/Tail Enable</li> <li>IButton Enable</li> <li>RFID Auto Enable</li> <li>Beep Enable</li> </ul>	Track 2 Head Track 2 Tail Track 3 Head Track 3 Tail
Information AP Ver.	Track1 (JIS II) Request Track2 Request Track3 Request Off IButton ID Request Off RFID ID Request Tracks Sequence Request:	IButton : 14 -Response Port : PS2 COM VCOM USB (HID) -Head/Tail Message(max 10 bytes each) On IButton Head On IButton Tail Off IButton Head Off IButton Tail
9 RS232 Conf: Baud Rate: 9600 -	Button ID Range Request :	Invisible Code
Parity: Even v 11 Language Option : US v	12 Track 1 (JIS II) Start Sentinel: Track 2 Start Sentinel:	RFID     15       -Response Port :     ○       ○ PS2     COM     ○ VCOM       ● Head/Tail Message(max 10 bytes each)       ● On RFID Head     ○ On RFID Tail       ○ Off RFID Head     ○ Off RFID Tail
Close	Track 3 Start Sentinel: Tracks End Sentinel: Tracks Separator: Tracks Terminator: None	Invisible Code
		CC Response Port : 16 COM VCOM OUSB (HID)
•	m	•

# Configure word detail Area 1

Track 1 (JIS II) Enable:	If enabled, the track 1 data will response.
Track 2 Enable:	If enabled, the track 2 data will response.
Track 3 Enable:	If enabled, the track 3 data will response.
Upper Case:	If selected, the track1 data read will transfer to upper case
	before response.
Track Separator	If enabled, the reader will send Track
/Terminator Enable:	Separator and Track Terminator code defined in this configure
	word between
	tracks data or after the last track data.
Track Error Report Enable:	If enabled, the character "F" will response when track data read
	fail.
Track Sentinel Enable &	If enabled, the reader will send start and
Replaceable:	end sentinel at begin and last position of
	each track data.
	If replaceable, these sentinels will be
	replaced by the sentinel defined in this
	configure word.

#### Area 2

Head/Tail Enable:	If enabled, all of the Head/Tail message
	defined in this configure word will prefix
	and suffix to each data returned.

#### Area 3

iButton Enable:	If enabled, iButton key ID may response when key attached or
	removed.

Area 5

Beep Enable:	If enabled, the beeper will activate to
	indicate the operation result.



#### Area 6

Track 1 (JIS II) Request:	If selected, the reader will response track
	data only if track1 read correctly.
Track 2 Request:	If selected, the reader will response track
	data only if track2 read correctly.
Track 3 Request:	If selected, the reader will response track
	data only if track3 read correctly.

#### Area 7

Off iButton ID Request:	If selected, key ID will response while key
	removed.

#### Area 8

Off RFID ID Request:	If selected, RFID ID will response while
	RFID card removed.

#### Area 9

Tracks Sequence Request:	Select the order of three tracks data
	returned.

#### Area 10

iButton ID Range Request:	Define the ibutton data range returned.
---------------------------	---

#### Area 11

Language Option:	Select one of supported keyboard language
	for PS2 or keyboard USB interface.

#### Area 12

Track 1 (JIS II) Start	Define Track 1 Start sentinel byte, default is "%".
Sentinel:	
Track 2 Start Sentinel:	Define Track 2 Start sentinel byte, default is ";".
Track 3 Start Sentinel:	Define Track 3 Start sentinel byte, default is "+".
Tracks End Sentinel:	Define all Tracks End sentinel byte, default is "?".
Tracks Separator:	Define the insertion byte between each track data returned.
Tracks Terminator:	Define the appending byte after the last track data returned.

#### Area 13

MSR Response Port:	Select MSR data response port right after swiped.
Head/Tail Message:	Message prefix and suffix to each track data returned.
Each Head/Tail accepts10	Enter keyboard control code.
bytes max. long. Invisible code:	

#### Area 14

IButton Response Port:	Select Ibutton key ID response port right after key attached or
	removed.
Head/Tail Message:	Message prefix and suffix to key data returned. Each Head/Tail
	accepts10 bytes max. long.
Invisible code:	Enter keyboard control code.

#### Area 15

RFID Response Port:	Select RFID ID response port right after tag attached or
	removed.
Head/Tail Message:	Message prefix and suffix to tag data returned.
	Each Head/Tail accepts10 bytes max. long.
Invisible code:	Enter keyboard control code.

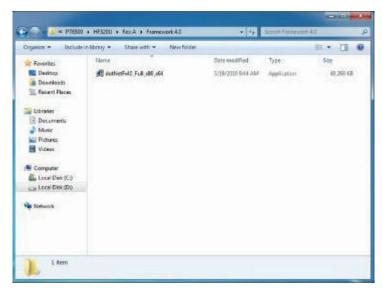
Area 16

ICC Response Port:	Select chip card auto. ATR response port,
--------------------	---

1

## 6-2. Install framework 4.0

1. Double-click to install.



Extracting files	×
Preparing: C:\6a3dbf8bcefbf427a7cc40\netfx_Core.mzz	
	Cancel

2. Select "I have read and accept the license terms. And click Install..

S Microsoft .NET Framework 4 Se	tup		X
.NET Framework 4 Setup Please accept the korne term	s to continue.		NET
MICROSOFT SO	OFTWARE		î.
C have read and accept the			3
Download size estimate: Download time estimates:	0 MB Dial-Up: 0 minutas Broadband: 0 minutes		
		Instal	Cancel

3. Click Finish.





# 6-3. VFD

1. Power on VFD and waiting test page of EEPROM test, Baud rate and Command page. Set up the customer display by " VFDset.exe"

VFDsct15 - InstallShield Wi	izend 📧	VFDset15 - InstallShield Wizard	<b>**</b>
2	Welcome to the InstallShield Wizard for VFDset15	Customer Information Please enter your information.	3
	The InstallShield(R) Woard will instal VTDset IS on your computer. To continue, dick Next.	Later Mense:	1
3	WVRNING: This program is protected by copyright law and mannabonal bracket.	Qrpanization:	
	< Back Next > Cancel	Truthalthiald -	ext > Cancel
😥 VFDset15 - InstallShield Wia	zard 📃	FDset15 - InstallShield Wizard	<b>×</b>
Destination Folder Click Next to install to this folde	er, or dick Change to install to a different folder.	Ready to Install the Program The wizard is ready to begin installation.	E
Enstal VPDset15 to: CriProgram Files (v8)	(I)//Tiset) Change	If you want to review or change any of your installation settings, click exit the wizard. Current Settings:	k Back. Click Cancel to
		Setup Type:	
		Typical	
		Destination Folder:	
		C:\Program Files (x86)\VFDset\	
		User Information: Name: user	
		Company:	
InstallShidd	K Back Next > Cancel	InstallShield < Back	Cancel

2. Setup VFDset.exe software.

3. To execute "VFDset.exe" for setting up communication between software and VFD module.

VFDSet1.5		
Interface Setting 1 Com Port Select Buad Rate 2 9600,n.8.1	Load Save	Set All Default
3 Open COM	Get Setting From VFD	Download Setting To VFD
Command Setting Welcome Msg User Defin	ed Character	
Character Type Command Mode	USA/EURPOPE(Default)	
BaudRate Select	9600,n,8,1 (Default)	
Passthru Mode	None(Default)	

Please then follow the steps as shown in the above figure, the baud rate will show on states page of VFD module (Note: You may check it when power on VFD module), then click "Open COM" button.

4. "Get Setting from VFD" button to get all the settings from Colormetrics and it'll refresh the "VFDset.exe" software.

5. Select "Character Type"/ "Command Mode"/ "Baud Rate Select"/ "pass thru Mode".

Character Type	USA/EURPOPE(Default)
Command Mode	USA/EURPOPE(Default)
BaudRate Select	U.K Denmark I Sweden
Command Mode	
Command Mode	EPSON(Default)
BaudRate Select	EPSON[Default]
	AEDEX
BaudRate Select	9600,n,8,1(Default)
Densiliary Made	9600,n,8,1 (Default) 19200,n,8,1
Passthru Mode	Terretered



6. Click "Set All Default" button to show default setting, the Default table is

Character Type	: USA	
Command Type	: EPSON/EURPOPE	
Baud Rate Setting	: 9600/n/8/1	
Pass-through Mode	e : None	
Welcome msg line	1 : *** VFD DISPLAY ***	
Welcome msg line	2 : **HAVE A NICE DAY AND THANK YOU	**

#### 7. Welcome Message

Welcome Message line1 maximum 20 characters, line 2 maximum 20 characters, total of 40 characters.

a. ASCII mode

Welcome Me	sagel					
C ASCII	0	5	10	15	20	
@ Hex	2A 2A	2A 20 56 46 44	20 44 49 53 50	4C 41 59 20 20	2A 2A 2A	Clear
Welcome Me	ssage2					
	0	5	10	15	20	
C ASCII	2A 2A	48 41 56 45 20	41 20 4E 49 43	45 20 44 41 59	20 41 4E	
	21	25	30	35	40	

You can type the character by keyboard ( $0x20h \sim 0x7Fh$ ), if you press clear icon, it will clear the all Message characters on AP.

#### b. Hex mode

Hex mode can define the character from 0x20h to 0xFFh · the range 0x80~0XFF which depends on the code page table.

-Welcome Me	ssage1					
C ASCII	0	5	10	15	20	
· Hex	2A 2A	2A 20 56 46 44	20 44 49 53 50	4C 41 59 20 20	2A 2A 2A	Clear
Welcome Me	ssage2	1907		12010		
	0	5	10	15	20	
C ASCII	2A 2A	48 41 56 45 20	41 20 4E 49 43	45 20 44 41 59	20 41 4E	
	21	25	30	35	40	

Like the first character (0x80) - in default code page will show on VFD module.

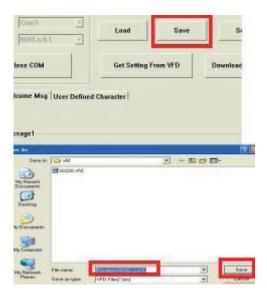
8. Click "Download setting to VFD" button

This button is to download the setting from VFDset.exe to VFD module. After success dialog "Download O.K! Please restart!" message popped up. Please restart display for enable new setting

	TL.
 load O.K   Please resta	
確定	
HEAL	

9. Click "Save" button

To save user's setting in file; for example, below picture to save file name as "GOODLUCK" file set for Welcome Message.





#### 10. Click "Load" button

After saving, you must restart the utility here. Then load your setting rename-GOODLUCK.vfd.

9600,n,8,1 <u>·</u>	Load		
se COM	Get Setting F	rom VFD	Download S
ome Msg User De	fined Character		
age1			
pen 🥖		2001	
Look in: 🔁 via		• + 1	S 💣 🖬 •
	20.vfd ame-GOOD LUCK.vfd		
My Recent Documents			
Desktop			
Deskipp			
My Documents			
3			
1			_
My Documents	Rename-GDOD LUC	ĸ	• 00

# **BIOS / UTILITY SETUP**

1. Press <DEL > key to enter SETUP CMOS UTILITY when system boot up.



2. Press <ENTER >over SCU button to enter the utility.

Advanced Security Domar Da	InsydeH20 Setup Utility	Rev. 5.0
tain Advanced Security Power Boo Processor Type System Bus Speed System Hemory Speed Cache RAM	I Exit Intel(R) Celeron(R) CPU J1900 @ 1.99GHz 83 HHz 1333 HHz 2048 KB	This is the help for the hour, minute, second field. Valid range is from 0 to 23, 0 to 59, 0 to 59. INCREASE/REDUCE : $I -$ .
fotal Memory Channel A - SODIMM 0 Platform firmware Information	8192 MB 8192 MB	
VLV SOC HRC Version PHC FW Patch TXE FW Version 160 VBIOS Version Microcode Revision CPU Flavor Board ID	0E (CO Stepping) 1.00 0x27 0x4_45 1.1.0.1113 1018 836 VLY Desktop (2) BALEY BAY (20)	
evaru no Fab ID System Time System Date	FAB3 (03) [09:38:48] [03/26/2018]	
1 Help ↑↓ Select H sc Exit ↔ Select He		F4 Setup Defaults F10 Save and Exit



Press <F9> to view the system information.

Tim Advanced Security Po	une Back Pulk	InsydeH20 Setup Utility		Rev. 5.0
Processor Type System Bus Speed System Henory Speed Cache RMI Total Henory Charnel A - 5001M1 0		Celeron(R) CPU J1900 0 1.99GHz	This is the help for the second field. Valid rang 23, 0 to 59, 0 to 59. IN 7	e is from 0 to
Platform firmware Information VLV SOC NRC Version PUNIT FW PMC FW Patch TXE FW Version IGD VBIOS Version Hicrocode Revision CPU Flavor Board ID Fab ID System Time System Date	Hanufacturer Name : Product Name : Serial Number : UUID : MAC LAN Address :	P12000 V:3.80.00-03262018		
		Press (ESC1 Exit		
	Gelect Iten Gelect Henu	F5/F6 Change Values Enter Select ► Subfenu	F4 Setup Defaul F10 Save and Exi	

#### **Date and Time**

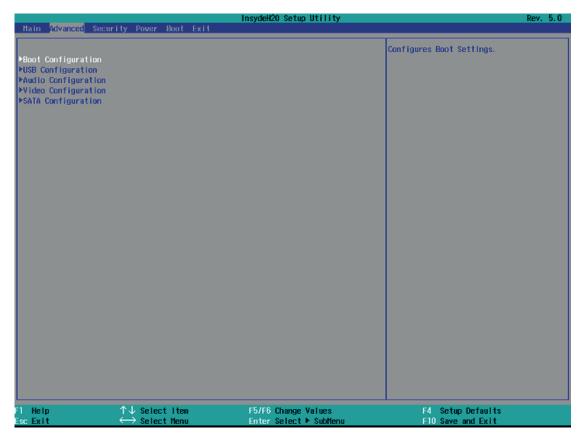
The Date and Time items show the current date and time on the computer. If you are running a Windows OS, these items are automatically updated whenever you make changes to the Windows Date and Time Properties utility.

## WARNING!

Setting the wrong values in the sections below may cause the system to malfunction. Make sure that the settings made are compatible with the hardware.

# 7-1. Advanced

Use the Advanced menu to configure the system for basic operation through the following sub-menus:



35

# 7-1-1. Boot Configuration

Advanced		InsydeH20 Setup Utility	Rev. 5.0
Boot Configuration			Selects Power-on state for Numlock
Nunlock	<0n>		
Help scExit	↑↓ Select Iten ↔ Select Menu	F5/F6 Change Values Enter Select ► SubHenu	F4 Setup Defaults F10 Save and Exit

Use the Boot Configuration menu to select power-on state for Numlock.

# 7-1-2. Audio Configuration

Use the Audio Configuration menu to read Audio configuration information and configure the Audio settings

Advanced		InsydeH20 Setup Utility	Rev. 5.0
huvanceu			
Audio Configuration			Control Detection of the Azalia device.
Audio Controller		nab led>	Disabled = Audio will be unconditionally disabled
			Enabled = Audio will be unconditionally Enabled
-1 Help	↑↓ Select Iten	F5/F6 Change Values	F4 Setup Defaults
Esc Exit	$\leftrightarrow$ Select Henu	Enter Select > SubMenu	F10 Save and Exit



# 7-1-3. Video Configuration

The magnetic stripe End Sentinel character can be added to the end of a magnetic stripe data string. This character simulates the end of character for track1, track2 or track3. This default is ,?'

Advanced		InsydeH20 Setup Utility	Rev. 5.0
Video Configuration			Select DVMT5.0 Pre-Allocated(Fixed) Graphics Memory size used by the Interna
IGD - DVMT Pre-Allocate	d <128		Graphics Device.
1 Help scExit	↑↓ Select Iten ↔ Select Henu	F5/F6 Change Values Enter Select ► SubMenu	F4 Setup Defaults F10 Save and Exit

# 7-1-4. SATA Configuration

Use the SATA Configuration menu to read SATA configuration information and configure the SATA settings

Advanced		InsydeH20 Setup Utility	Rev. 5.0
SATA Controller		<enabled></enabled>	DISABLED: Disables SATA Controller. ENABLED: Enables SATA Controller.
▶Serial ATA Port 0 ▶Serial ATA Port 1	[Not installed] [Not installed]		
l Help scExit	↑↓ Select Iten ↔ Select Henu	F5/F6 Change Values Enter Select ► SubMenu	F4 Setup Defaults F10 Save and Exit

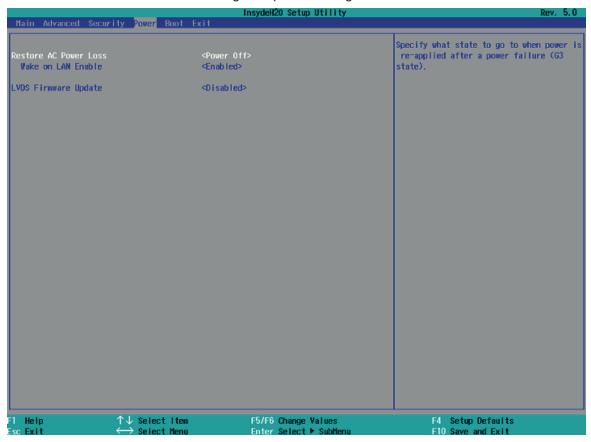


# 7-2. Security

17072 - 171 - 1889-18	CARDING ST DESCRIPTION	InsydeH20 Setup Utility	Rev. 5.
Hain Advanced Sec	curity Power Boot Exit		
supervisor Password et Supervisor Passw		Installed	Install or Change the password and the length of password must be greater tha one charactor.
Help ac Exit	↑↓ Select Iten ↔ Select Henu	F5/F6 Change Values Enter Select ► Sublenu	F4 Setup Defaults F10 Save and Exit

Use the Security menu to install or change the password

## 7-3. Power



Use the Power menu to install or change the power settings.

#### AC Loss Auto Restart

Enable or disable system power on automatically after AC power restored

#### Wake on LAN

Enable or disable system wake by onboard LAN chip

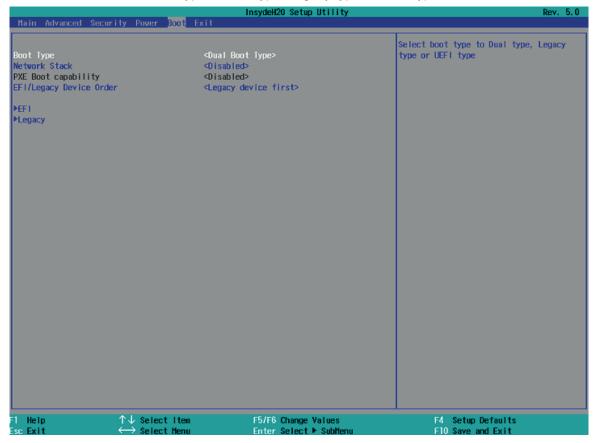
#### LVDS Firmware update

This item allows you to enable or disable LVDS Firmware update



# 7-4. Boot

Use the Boot menu to select type to Dual type, Legacy type or UEFI type.



# 7-5. Exit

Use the Save & Exit menu to load default BIOS values, optimal failsafe values or to save configuration changes.

Main Advanced Se	curity Power	Boot <mark>Exit</mark>	InsydeH20 Setup Utility		Rev. 5.0
Exit Saving Changes Save Change Without Exit Discarding Cha Load Optimal Defaul Coad Custon Default Save Custon Default Discard Changes	; tExit inges its ts			Exit system setup and save your	changes.
F1 Help Esc Exit	$\uparrow \downarrow$ Selection $\leftrightarrow$ Selection	t Iten t Henu	F5/F6 Change Values Enter Select ► SubHenu	F4 Setup Defaults F10 Save and Exit	



#### 1. How to clean the LCD surface properly?

- ☆ Do not spray any liquids on the LCD screen directly, and do not use paper towels, this can cause the LCD screen to become scratched.
- Always apply the solution to your cloth first, not directly to the parts you are cleaning.
   You want to avoid dripping the solution directly into your computer or laptop.
- Stroke the cloth across the display in one direction, moving from the top of the display to the bottom.

#### 2. What are some of the basic supplies needed to clean an LCD screen?

- A soft cotton cloth. When cleaning the LCD screen it is important to use a soft cotton cloth, rather than an old rag. Some materials, such as paper towels, could cause scratches and damage the LCD screen.
- Solution of water and isopropyl alcohol. This solution can be used along with the soft cotton cloth.
- Computer wipes. Only use these if they specifically state on the package they are designed for LCD laptop screens. Computer wipes can come in handy for fast clean-ups or when you want to avoid mixing up a cleaning solution yourself.

#### 3. What types of cleaners are acceptable?

- 🛠 Water
- $\therefore$  Vinegar (mixed with water)
- ☆ Isopropyl Alcohol

#### NOTICE: The following cleaners are unacceptable:

- 🛠 Acetone
- ☆ Ethyl alcohol
- 🕸 Ethyl acid
- 🕸 Ammonia
- ☆ Methyl chloride