



ATH15 User Manual [Ver. 1.0]

# Just Touch autobaseTouch

Intelligent Touch Panel Computer

http://www.autobase.biz

User Manual Ver.1.0



ATH15



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# Contents

1. ATH15 CONFIGURATION5
1.1 ATH15 Hardware Specifications 5
1.2 Part Names and Description 6
1.3 ATH15 Dimensions and Panel Cut-out7
2. SERIAL COMMUNICATION PORT8
2.1 Serial communication port8
2.1.1 RS-232C Port 8
3. AUTOMATED SYSTEM RECOVERY9
3.1 System recovery 9
3.1.1 Initial state recovery

3.1.2 Restore point update ......10

4. M	ANUAL	SYSTEM	RECOVER	(1	2
------	-------	--------	---------	----	---

4.1 Device driver setup ······	12
4.1.1 Raid controller driver setup	12
4.1.2 Serial port driver setup	15
4.1.3 Touch screen driver setup ······	18
4.2 Programs for Autobase Touch Pro Pack	·21
4.2.1 Autobase SCADA program installation	21

CUSTOMER SERVICE2	3
	-

# 1. ATH15 Configuration

# 1.1 ATH15 Hardware Specifications

	Model			
Items	ATP15			
Display	15inch, XGA, (1024 * 768)			
CPU	Intel i5 CPU M560 2.6GHz (FSB 1066MHz)			
Touch Controller	r Pen Mount 5-wire USB controller			
Mainboard Chipset	Intel QM57			
Main Memory	n Memory DDR3 2GB (1066MHz/PC8500)			
Storage	SSD 60GB(Max Read:500MB/s Write:400MB/s)			
VGA Intel 945GSE integrated GMA950				
Serial/Printer Port	2 RS-232C Port			
USB	4 USB Ports			
Ethernet Port	Dual Gigabit Ethernet (10/100/1000M BaseT) LAN Ports			
Keyboard/Mouse	USB Type			
CD-ROM	-			
OS	Windows Embedded Standard 7			
Utility	Rescue (Recovery Tools Included)			
Voltage	AC 115 ~230V			
Power	113W			
Weight	6.25 kg			
Service Life of LCD Backlight	40,000h or more			

<Table 1-1> AUTOBASE ATH15 hardware specifications

## **1.2 Part Names and Description**



<Figure 1-1> ATH15 Input/Output ports

- AC IN : Power input connector
- Power ON/OFF : Power ON/OFF switch
- 3 Audio OUT : Stereo speaker output ports
- **4** USB : USB 4 ports
- **5** LAN 1 : 10/100/1000 Base-T Ethernet port
- **6** LAN 2 : 10/100/1000 Base-T Ethernet port
- DVI : External DVI monitor output port
- 8 VGA : External D-SUB VGA monitor output port
- 9 HDMI : External HDMI monitor output port
- COM 1 : RS-232C input/output ports
- OCOM 2 : RS-232C input/output ports





<Figure 1-2> ATH15 dimensions(Unit : mm)



<Figure 1-3> ATH15 Panel Cut-out dimensions(Unit : mm)

7

# 2. Serial Communication port

## 2.1 Serial communication port

ATH15 has two COM ports for serial communications.

#### 2.1.1 RS-232C Port

COM1/COM2 serial ports support the RS-232C only. <Table 2-1> shows pin functions for RS-232C. Before you connect device with serial port, verify the pin functions.



<Table 2-1> RS-232C Pin Functions

# 3. Automated System Recovery

You can recover the system simply with the previous recovery point, using the recovery program, installed on Autobase Touch Panel.

## 3.1 System recovery

External keyboard is required when you have to reset Autobase Touch Panel as factory state or repair to the recent recovery point, for reasons such as the damage of operating system or loss of important data.

#### 3.1.1 Initial state recovery

While the system is booting up, press 'Home' on your keyboard then the login dialog box will be appeared as shown in <Figure 3-1>

Please input your password:		×
User: Administrator		
· · · · · · · · · · · · · · · · · · ·	OK	

<Figure 3-1> Login dialog box

When <Figure 3-1> login dialog box is appeared, input user(as Administrator) and password(default password :admin) that you has set in the recovery program and then the recovery selection screen will be displayed as shown in <figure 3-2>.



<Figure 3-2> Recovery selection screen

When the recovery selection screen is displayed, using external keyboard, select 이 비가하기 to recover the initial state and select 이 제거하기 to delete the restored area.

#### 3.1.2 Restore point update

When you complete the commissioning and project in the field, you can update the optimal restore point for preparing of problem occurrence to the system. After booting up Autobase Touch Panel system normally, double click the icon at the bottom right corner of the screen then the logon dialog box will be appeared as shown in <Figure 3-3>. Then enter the user and password in <Figure 3-3> the logon dialog box to log on. (\*Factory setting – user : Administrator, Password : admin)



<Figure 3-3> Logon dialog box of recovery program

After log on if you select 'Restore settings' on the left side of dialog box, <Figure 3-4> dialog box will be appeared.

🤜 DriveX	
DRIVEX	
Common Tasks O	기본복구점 정보 System baseline was created at: 1/5/2003 8.50 Make the current system as the baseline: Update Baseline 복가방식 설명 C Restore baseline at restant C Restore baseline at restant C Restore baseline fourly at 0 * Min C Restore baseline fourly at 1 at bootup of the day C Restore baseline daily at 1 at bootup of the day C Restore baseline weekly at Sunday ▼ Day 0 * Hour 0 * Min
	옥구가능 비활성

<Figure 3-4> Restore settings dialog box

And then if you select Update Baseline button, the restore point will be updated. If the restore point is updated successfully, Restore point update complete dialog box will be displayed as <Figure 3-5>.



<Figure 3-5> Restore point update complete dialog box

Generally, it is recommended to choose the disable restore option in the bottom of the dialog box. And modify restore settings carefully. If you choose a restore mode, the system will be restored each time depending on how the selected restore mode. For example, if you select 'Restore baseline at restart', the restore point will be restored whenever the system is restarted.

# 4. Manual System Recovery

# 4.1 Device driver setup

Install the device driver of Autobase Touch Panel after the Windows Embedded Standard 7 OS setup.

You can install device drivers from Touch System Software DVD or the Internet downloading. Touch System Software DVD is included in the product package.

## 4.1.1 Raid controller driver setup



<Figure 4-1> Raid controller driver folder

Select 'Driver\ATH15\SataRaidController'folder from Touch System Software DVD, you can find files as shown <Figure 4-1>. And execute 'iata\_cd\_10.8.0.1003.exe' then raid driver setup initial screen will be displayed as <Figure 4-2>

tel® Installation Framework	
Intel® Rapid Storage Technology Welcome to the Setup Program	intel
This setup program will install Intel® Rapid Storage Technology ont	to this computer.
It is strongly recommended that you exit all programs before contin continue.	uing. Click Next to
Install Intel® Control Center	
Intel® Control Center provides a centralized starting point for In easier to find the programs that you need.	itel applications making it
< Back	Next > Cancel
	- Intel® Installation Framewo

<Figure 4-2> Raid Controller driver setup initial screen

Select Next > button on <Figure 4-2>, Setup Program start to install the Raid controller driver.

Raid controller driver setup complete dialog box will be displayed when the Raid Controller driver setup is complete as shown in <Figure 4-3> and you can choose whether to restart the computer.

Intel® Installation Framework	
Intel® Rapid Storage Technology Setup Is Complete	intel
You must restart this computer for the changes to take effect computer now?	ct. Would you like to restart the
<ul> <li>Yes, I want to restart this computer now.</li> <li>No, I will restart this computer later.</li> </ul>	
Click Finish, then remove any installation media from the driv	es.
	Finish ——— Intel® Installation Framework

<Figure 4-3> Raid controller driver setup complete dialog box

### 4.1.2 Serial port driver setup

						-
🗙 Favorites	Name	Date modified	Type	Size		
E Desktop	J Drivers	12/1/2010 2:35 PM	File folder			
😹 Downloads	JMSS	12/1/2010 2:35 PM	File folder			
Secent Places	🕌 Intel Control Center	12/1/2010 2:35 PM	File folder			
	🎍 Lang	12/1/2010 2:35 PM	File folder			
词 Libraries	🕌 LMS	12/1/2010 2:35 PM	File folder			
Documents	MEI_SOL_Installer	12/1/2010 2:34 PM	File folder			
J Music	MEWMIProv	12/1/2010 2:34 PM	File folder			
E Pictures	INAC_PP	12/1/2010 2:34 PM	File folder			
Videos	Juns 🔒 UNS	12/1/2010 2:34 PM	File folder			
	🍌 x64	12/1/2010 2:34 PM	File folder			
Computer	autorun	1/22/2009 4:54 PM	Setup Information		1 KB	
🚨 Local Disk (C:)	S DIFxAPLdII	11/2/2006 8:21 AM	Application extens	3	12 KB	
DVD RW Drive (D:) S	i readme	11/4/2009 1:18 PM	Text Document		10 KB	
ATP_SETUP (E:)	😹 Setup	11/4/2009 2:45 PM	Application	7	23 KB	
Vetwork	Setup.if2	11/3/2009 9:48 AM	IF2 File		10 KB	

<Figure 4-4> Serial port driver folder

Open 'Driver\ATH15\SerialComPort'folder from Touch System Software DVD and execute 'Setup.exe'. Then the serial port driver setup program initial screen will be displayed as shown in <Figure 4-5>

Welcome to t	he Setup Pro	ogram	ponents	-	Intel
This setup program w Intel® Managemen Serial Over LAN Intel® Managemen Local Management : User Notification Se	vill install the followi t Engine Interface t and Security Stat Service rvice	ng components us			
It is strongly recomm	ended that you exi	t all programs b	pefore contin	uing. Click Next	to continue.
Install Intel® Con	ntrol Center				
Intel® Control Ce	enter provides a cer	ntralized startin	ng point for In	ntel applications	making it

<Figure 4-5> Serial port driver setup initial screen

Select Next > button, the serial port driver setup will be started.

Intel® Management Engine Components	
Intel® Management Engine Components Setup Is Complete	intel
You must restart this computer for the changes to take effect. Would you computer now?	like to restart the
<ul> <li>Yes, I want to restart this computer now.</li> <li>No, I will restart this computer later.</li> </ul>	
Click Finish, then remove any installation media from the drives.	
Inte	Finish I® Installation Framework

<Figure 4-6> Serial port driver setup complete dialog box

The serial port driver setup is completed, the setup complete dialog box will be displayed as shown in <Figure 4-6>

#### - 0 « Windows Embedded POSReady7\_LatestDriver + TouchScreen ▼ 49 Search TouchScreen Q Organize -Dopen New folder 855 - 170 0 Burn Name Date modified Туре Size Favorites Desktop Q TouchKit Win7 5.6.0.6806 5/7/2010 12:43 PM 8.458 KB Application Downloads Recent Places Libraries Documents Music Pictures Videos Computer Local Disk (C:) DVD RW Drive (D:) S ATP\_SETUP (E:) Network TouchKit Win7 5.6.0.6806 Date modified: 5/7/2010 12:43 PM Date created: 8/9/2012 12:09 PM Application Size: 8.25 MB

4.1.3 Touch screen driver setup

<Figure 4-7> Touch screen driver folder

If you select 'Driver\ATH15\TouchScreen' folder from Touch System Software DVD, you can find 'TouchKit\_2KXP\_5.6.0.6806.exe' as shown in <Figure 4-7>. And if you run 'TouchKit\_2KXP\_5.6.0.6806.exe', you can see the initial screen for setting as shown in <Figure 4-8>. Then, select Next> button, the setup program will be run and start to install the touch screen driver. After you have completed the touch screen driver installation, <Figure 4-9> dialog box will be displayed. And select Yes button in <Figure 4-9> dialog box, the screen calibration program will be executed as shown in <Figure 4-10>. After then, set the screen position of the touch screen with the calibration program of <Figure 4-10>. And if you need the detailed screen

Linearization

calibration, run 'Configure Utility' and select 'Tools' tab. Then click button to do a finer screen calibration.



<Figure 4-8> Touch screen driver setup initial screen

Question	×
ې 😲	The eGalaxTouch driver has been installed, before operating touch function, please do 4 point calibration. Would you do 4 point calibration now ? Yes No

<Figure 4-9> Touch screen driver setup complete dialog box



#### <Figure 4-10> Touch screen calibration

🔄 eGalaxTouch : USB Co	ontroller				Đ
Edge Compensation General	Setting	Hardwar Too	re ols		About Display
Linearization Curve					
4 Points Calibration	4 Points Calibration Do 4 points alignment to match display.				
Clear and Calibrate	Clear linearization parameter and do 4 points alignment.				
Linearization	Do 9 points linearization for better touchscreen linearity.				
Draw Test	Do draw te	ist to verif	y the to	ouch ac	curacy.
	ОК		Cance		Apply

<Figure 4-11> Tools tab of Configure utility

## 4.2 Programs for Autobase Touch Pro Pack

#### 4.2.1 Autobase SCADA program installation

Autobase Touch Pro Pack required Microsoft DotNet Framework, Autobase SCADA Program and Autobase SCADA license by default. For more details about the installable Autobase SCADA version and how to install the license, contact Autobase technical support team. < Empty Page >

# **Customer service**

#### **Limited Warranty**

When this product goes out of order under the normal use of customer, we will repair it free of charge for one year from the date of your purchase. Even during the warranty period, we will provide repair services with reasonable charges for problems due to customer's negligence and natural disasters.

#### **Paid Service**

#### Autobase, Inc. does not warrant in the following cases.

- Malfunction by foreign substances(water, soda, coffee, toys, etc.) spills into the product.
- 2 Damage and malfunction of a product due to be dropped or shocked
- S Exterior damage and deformation in organic solvents such as thinner, benzene,
- 4 Malfunction by using non-genuine parts or supplies.(ex: adapter, cooling fan, LCD, etc.)
- 5 Repair and replacement of parts due to normal wear and tear.
- 6 Failure due to wrong voltage.
- Ø Malfunction due to the failure of connected device.
- 3 Damage or loss of product parts due to disassemble by consumer
- Defects or damages result from repairs or modifications by someone other than customer service representative of Autobase, Inc. Technical Support Center.
- Failure by natural disasters(fire, flood, lightning, gas, salt, earthquake, etc.)
- Reinstallation due to the improper installation of consumers
- ② Service request, but the product has no defective parts, will be charged service fee. (Please read the user manual)
- Defects or damage that result from improper operation of user.

#### Safety Information

- For any reason, damage caused by disassembling the equipment will not be covered under the warranty.
- 2 Do not open the cabinet to avoid electric shock. Please request service to qualified technicians.
- Sound or images might be distorted because to place this product near devices, emit electromagnetic waves.
- O Protect touch panel from rain or moisture to avoid fire or electric shock.
- **6** Unplug the power cord and all connected cables during thunderstorms.
- Ocnnection of Network port on the touch panel is allowed 10BASE-T, 100BASE-T and 10000BASE-T. Don't connect other kinds of network cables or telephone lines. Improper connection can result in the current load on the connector can cause a fire, overheating or malfunctioning.
- On't block the air-intake and exhaust vents.
- O This touch panel surface is made of metal so if you do not use in the ground environment you can feel the subtle flow of currents.

autobaseTouch		S/N			
Panel Computer	irchase	Organization	Phone		
Autobase, Inc. warrants this panel	Ĩ	Address			
and workmanship under normal use		Date of Purchase Month/ Day/	Year/		
for the warranty period.	Die	Name of Distributor	Phone		
Autobase, Inc.	tribut	Address			
CEO Kim, Do Yul	9	Name of Dealer			



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