PPC-080T-D525

USER'S GUIDE

English

Warranty:

V@ÁTæ)˘-æ&č¦^¦• touch PCs are produced following the most modern production and testÁprocesses. Carefully selected components and accurate production ensure reliableÁoperation and long life.V@ÁTæ)˘-æ&č¦^¦ warrants to the originalpurchaser that each touchÁPC delivered shall be free from defects in material or workmanship at time of shipment, and that each such module delivered will meet the published specifications for a period of 24 months as measured from the date of original shipment.V@ÁTæ)˘-æ&č¦^¦•Áobligation under theÁWarranty contained herein is limited to the repair or replacement of any touch PC that does not meet the specifications, provided that said product is returned toÁš@Á˘-˙, transportation charges pre-paid, and provided that uponÁ˘-˙'s examination, the product, when tested within the specified ratings and in accordance with good engineering practice, does not meet the specifications as defined. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

All claims under warranty must be made promptly after occurrence of circumstances giving rise thereto and must be received within the applicable warranty period bˆÁš@Á˘-˙Áor its authorized representative. Such claims should include the Product type and serial numbers and a full description of the circumstances giving rise to the claim. Before any Products are returned for repair and/or adjustment, written authorization fromÁš@Á˘-˙ or its authorized representative for the return and instructions as to how and where these Products should be shipped must be obtained. Any product returned toÁš@Á˘-˙ for examination shall be sent prepaid via the means of transportation indicated as acceptable bˆÁš@Á˘-˙.ÁV@ÁTˆ-˙ reserves the right to reject any warranty claim not promptly reported and any warranty claim on any item that has been altered or has been shipped by non-acceptable means of transportation. When any Product is returned for examination and inspection, or for any other reason, Customer will be responsible for all damage resulting from improper packing or handling and for loss in transit, notwithstanding any defect or nonconformity in the Product. In all casesÁš@Á˘-˙ has sole responsibility for determining the cause and nature of failure, andÁš@Á˘-˙'s determination with regard thereto shall be final. If it is found thatÁš@Á˘-˙'s Product has been returned without cause and is still serviceable, Customer will be notified and the Product returned at Customer's expense. In addition, a charge for testing and examination may, inÁš@Á˘-˙'s sole discretion, be made on Products so returned.

SELLER'S LIABILITY FOR DAMAGES SHALL NOT EXCEED THE PAYMENT, IF ANY, RECEIVED BY SELLER FOR THE UNIT OF PRODUCT OR SERVICE FURNISHED OR TO BE FURNISHED AS THE CASE MAY BE WHICH IS THE SUBJECT OF CLAIM OR DISPUTE. IN NO EVENT SHALL SELLER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES. LIABILITY TO THIRD PARTIES, FOR BODILY INJURY INCLUDING DEATH, RESULTING FROM SELLER'S PERFORMANCE

support or sustain life and whose failure to perform when properly used in accordance with instructions for use provided in the labeling can be reasonably expected to result in a significant injury to the user. A "Critical Component" is any component in a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system or to affect its safety or effectiveness.

If your device does have a defect within the warranty period, please contact Å&@·Å[·ʑ·Å directly. The warranty period is 24 months from the date of purchase under the following conditions:

- All warranties are void if the unit has been opened or disassembled without Å[·ʑ 's prior approval.
- Damage caused by improper handling or operation, by incorrect installation or storage, through improper connections, as well as due to force majeure or other external influences are not covered by the warranty.
- For warranty claim, we reserve the right to replace the defective components or to exchange the device.
- Exchanged components or devices become the property of Å&@·Å[a)˘·æ&č·¦^¦.
- Claims for damages are excluded in so far as they are not based on intent or gross negligence of the manufacturer.
- After expiration of the warranty period, warranty claims can no longer be pursued.
- Any warranty claim must be accompanied by proof of purchase (receipt or invoice).

To the buyer of this product:

Thank you for purchasing Å&@· touch-screen PC. You have purchased a small and powerful desktop system that is suitable for use in harsh work environments. It is distinguished from standard PC systems through silent operation and an increased stability, especially through the robust aluminum housing and by the lack of moving part.
Not to mention the high quality and attractive design (the housing is made out of refined aluminum) the touch-screen PCs are made for the use in industry, in machine control, in the Home automation, in the digital signage field, and many other application fields.

To avoid mistakes and for the optimal use of the touch-screen computers, please read this manual in detail before first use.

Electrical Safety Tips:

The device should only be opened by technical service personnel. Improper opening can result in loss of warranty. Please separate the touch PC from the power supply before opening.

Operating Safety:
- Please check before first use if all the external adapter and cables are properly connected.
- The PC must not have in any case loose objects, especially any exposed, conductive objects. Otherwise there is the risk of a short circuit and the permanent damage to the touch PC.
- Dust, moisture and temperature jumps drastically shorten the life of the touch screen PC. Please avoid, if possible, these external negative factors.
- Although the touch PC is provided with an anti-vibration mechanism please do not drop the PC and try to avoid strong and jarring movements.
- Please clean your touch PC not with chemical supplies but use a dry cloth for cleaning.

Ongoing changes:

iÚ¦[å˘&^å⁄s in China with German know-how and quality management.
Your feedback is the most valuable information for the improvement of our products. Continuous production and product improvement is our primary goal. For this reason, there may be improvements in our products which are not yet included in this user's guide. Differences between your product and this user's guide are generally related to specification changes and product improvement È

Components of 10" Touch PC :

01
02 03 04 05 06 07 08 09 10 11 12

13 14 15 16 17 18
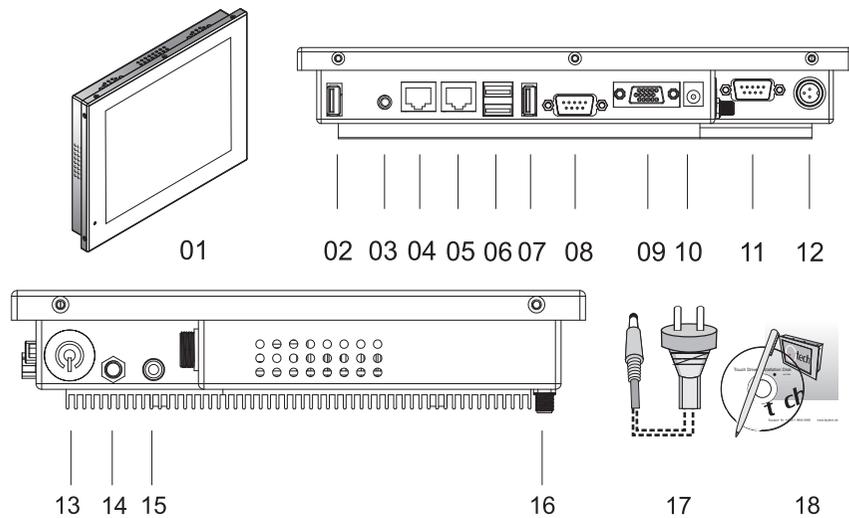
01   Touch-PC with VESA-100
02   USB2.0
03   Ear-Out
04   10/100/1000MBit network interface
05   10/100/1000MBit network interface
06   2xUSB2.0
07   USB2.0
08   COM1
09   VGA-Out
10   12V DC-IN
11   COM2
12   additional screwable 12V DC-IN; PIN1: +12V DC PIN 2: GND
        PIN 3: free
13   Power on/off
14   W-Lan connector
15   Mic-In
16   W-Lan connector
17   220V power supply
18   Touch pen, manual and installation CD of Windows or Linux

PIN1   PIN3   PIN2
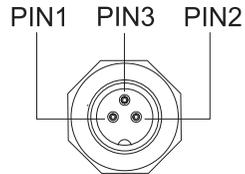
Components of 15" 17"19" touch PC :

01   02   03   04   05

06 07 08 09 10 11 12 13 14 15 16 17 18 19
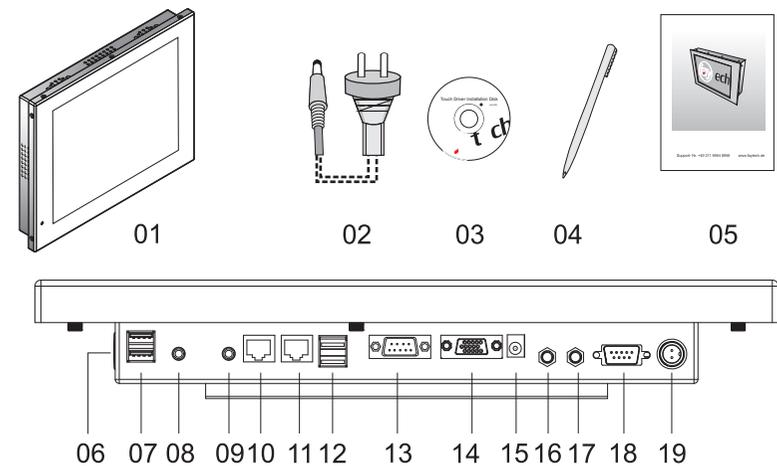
01   Touch-PC with VESA 100
02   220V power supply
03   CD for installation of Windows or Linux
04   Touch pen
05   Manual
06   Power on/off
07   2x USB2.0
08   Mic-In
09   Ear-Out
10   10/100/1000MBit network interface
11   10/100/1000MBit network interface
12   2x USB2.0
13   COM1
14   VGA-Out
15   12V DC-IN
16   W-Lan connector
17   W-Lan connector
18   COM2
19   additional screwable 12V DC-IN; PIN1:
        +12V DC PIN 2: GND PIN 3: free

PIN1   PIN3   PIN2
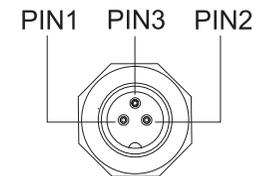
Commissioning and Installation

The manufacturer offers you a well-engineered, high-quality PC hardware. For the software installation, use and maintenance the respective user is responsable.

On the bundled driver CD are Windows and Linux drivers for the Touch PCs included.

If you purchased the system with a SSD, a current image is already installed with which you can become familiar with the hardware and the use of the touch-panel.

To start, connect your touch PC simply with the in delivery included AC adapter or use an equivalent 12V DC power source with at least 5A DC. To start the system, press the On / Off button.

If you have bought the touch PC without hard disk and RAM, please follow the following instructions.

● Due to the small size of our touch-PC solutions an installation of a conventional hard drive due to potential heat problems is not recommended for model sizes less than 15 ". Please only use SSD drives with 2.5" size and max. 7mm height or 1.8" SSDs. The subsequent RAM and hard disk is complicated, for these activities the mainboard must first be taken off. This should be done only by a computer specialist. Not experienced PC users, we explicitly recommend to buy a model with memory and hard disk included.

● additional screwable DC-connector: The touch PC-series has an additional screwable power connector. The PIN assignments are: PIN1: +12V DC PIN 2: GND PIN 3: not used Please take care of the right polarity, otherwise your PC is irrevocably destroyed. Please see paragraph "Components".

BIOS-settings

In the following, the most important BIOS settings are explained. Please note that the BIOS is a special BIOS for PC's with built-in display solutions. Accordingly, it can occur after adjustments to the BIOS that you see no image on your monitor. For this reason, only experienced users should make changes to the BIOS. If the system is wrongly adjusted, proceed as described in the following: press (even if you see no image) on a connected keyboard the Delete key until you are sure you are in the BIOS. Then press F9 Enter F10 Enter. The system will reboot and you should have on an external monitor again a picture.

The major graphic settings to use the touch PCs internal built in monitor:
● 	Intel
● 	Video (Intel IGD) Control Sub-Menu
● 	IGD - Boot Type: VBIOS Default
● 	IGD – LCD Control Sub-Menu
● 	IGD – LCD Panel Type: choose the original resolution of your monitor

Make sure that you save your changes before leaving the BIOS (F10).

Pre-installation Linux-Software (Optional)

Ubuntu 9.04 has been preinstalled in the Touch-PC with SSD. The User Name is "user". The password is „user123". Please look also on the desktop. There is a text file with the current password information.

For the calibration please use the preinstalled program "eGalaxy".You can start the program from the desktop.

If you will change the password, please open a terminal. Type "sudo su", then press "Enter". The password is "user123". Please chose "passwd user" and give your new password.

Optional features

Since the Touch PC series is widely used in industry applications, we offer a number of extensions that you can order from our distribution partners. See a selection below:

- Solid VEAS-100 Stand, Housing adaptations, integration of e.g. Card readers, scanners, printers
- Expansion of the possible operating voltage to 6 - 36V DC
- W-LAN support via mini-PCI-E with external W-LAN Antenna
- Internal use of the Mini-PCI-E slot, the COM and USB ports for additional devices such as GPS, GPRS, UMTS
- devices with RAM, SSD
- IP protection classes, other touch technologies
- Buttons and ports in the front

In project business, further adjustments are possible to meet your requirements.

Troubleshooting

1.No picture

●First, check whether the power supply is properly connected and working (green LED on the power supply).

●when you install new video card drivers, the BIOS is under certain circumstances adjusted and there is no boot screen to see. Wait a minute or two until Windows is loaded.

●connect an external keyboard via USB and check wether the Num Lock LED illuminates (press Num Lock on the keyboard). When it lits, there is usually only a misaligned BIOS. Turn off the PC, reboot and then press DELETE so often until you are sure that you are in the BIOS. Set the graphics options in the BIOS following the Chapter BIOS settings.

●leads none of the above suggestions to success, please contact our direct manufacturer service under the below shown contact information.

2.Touch function is not exact

please download from our website the actual manual for the use of the touch-function. Please do a recalibration to improve the exactness of the touch panel.

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PC-specification

CPU	Intel Atom N270
Chipsets	North Bridge: Intel 945GSE
	South Bridge: Intel ICH7M
Memory	Support 1x DDRII 533 S0Dimm up to 2GB
Graphic	GMA950 Graphics Card
Audio	Realtek ALC 662 5.1 Channel
Network	Realtek 8111C, supports 10/100/100MBit
Storage interfaces	2x S-ATA 300MB/s ports
USB	6x USB 2.0 ports, 4 on the backpanel
Back Panel Connectors	VGA
	4x USB 2.0
	2x RJ-45
	Audio-In / Audio-Out
	12V DC-In
	2xCom-Port (Rs232)
	additional screwable 12V DC-In
Internal I/O Connectors	1x MiniPCI-E
	2x S-ATA 300MB/s ports
	1x Front Panel Audio header
	3x USB 2.0 header
	1x IR header
	4x COM/RS232 header
	1x front panel header
Input voltage	12V DC-In
Operating temperature	0° to +60°
Driver	Windows, Linux, with SSD Linux Ubuntu 9.04 preinstalled

Monitor and Touch-Panel-Spezification

Touch-panel:	4-wire resistive
Touch-connector:	USB
Touch-panel-driver:	Windows, Linux, Apple
Touch life (contacts):	> 10 000 000
Response time touch-panel (ms):	< 10
Surface hardness:	3H
Input force (g):	20 ~ 150
Mounting:	VESA-100 holes

	10"PC	15"PC	17"PC	19"PC
Aspect ratio:	4:3	4:3	4:3	16:10
Brightness (cd/m2):	250	250	250	300
Contrast:	600:1	500:1	1000:1	1000:1
Visual Angle horizontal, vertical (°):	150;130	160;160	170;160	170;160
Physical resolution	1024x768	1024x768	1280x1024	1440x900

RMA-service:

If you think your product has a defect please always contact us directly. Our trained after sales service specialists can help you resolve your problems. Please check the manual and our frequently asked questions before contacting us – you will usually find an answer to your question.