

# WITOOUCH CORE 6E

## USER GUIDE



**FEC**  
ITALIA



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User guide realized by  
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# WITOUCH CORE 6 E

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# 1

## PRIOR INFORMATION

# Prior Information

## 1.1 General warnings

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FEC products comply with Community Directive 89/336/EEC concerning electromagnetic compatibility and Directive 73/23/EEC concerning the safety of electrical products and subsequent variations.



## 1.2 Instruction on disposal

IT

Il simbolo sul prodotto o sulla confezione indica che il prodotto non deve essere considerato come un normale rifiuto domestico, ma deve essere portato nel punto di raccolta appropriato per il riciclaggio di apparecchiature elettriche ed elettroniche. Provvedendo a smaltire questo prodotto in modo appropriato, si contribuisce a evitare potenziali conseguenze negative per l'ambiente e la salute, che potrebbero derivare da uno smaltimento inadeguato del prodotto. Per informazioni più dettagliate sul riciclaggio di questo prodotto, contattare l'ufficio comunale, il servizio locale di smaltimento rifiuti o il fornitore da cui è stato acquistato il prodotto.

**EN**

The symbol  on the product or in its packaging indicates that this product may not be treated as household waste. Instead it shall be handed over the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the supplier where you purchased the product.

**FR**

Le symbole  sur le produit ou son emballage indique que ce produit ne peut être traité comme déchet ménager. Il doit être remis au point de collecte dédié à cet effet (collect et recyclage du matériel électrique et électronique). En procédant à la mise à la casse réglementaire de l'appareil, nous préservons l'environnement et notre sécurité, s'assurant ainsi que les déchets seront traités dans des conditions appropriées. Pour obtenir plus de détails sur le recyclage de ce produit, veuillez prendre contact avec les services de votre commune ou le distributeur où vous avez effectué l'achat.

**DE**

Das Symbol  auf dem Produkt oder seiner Verpackung weist darauf hin, dass dieses Produkt nicht als normaler Haushaltsabfall zu behandeln ist, sondern an einem Sammelpunkt für das Recycling von elektrischen und elektronischen Geräten abgegeben werden muss. Durch ihren Beitrag zum korrekten Entsorgen dieses Produkts schützen Sie die Umwelt und die Gesundheit Ihrer Mitmenschen. Umwelt und Gesundheit werden durch falsches Entsorgen gefährdet. Weitere Informationen über das Recycling dieses Produkts erhalten Sie von Ihrem Rathaus, Ihrer Müllabfuhr oder den Distributoren, in dem Sie das Produkt gekauft haben.

**ES**

El simbolo en el producto o en su embalaje indica que este producto no se puede tratar como desperdicios normales del hogar. Este producto se debe entregar al punto de recolección de equipos eléctricos y electrónicos para reciclaje. Al asegurarse de que este producto se deseche correctamente, usted ayudará a evitar posibles consecuencias negativas para el ambiente y la salud pública, lo qual podria ocurrir si este producto no se manípula de forma adecuada. Para obtener informaciones mas detalladas sobre el reciclaje de este producto, póngase en contacto con la administraciòn de su ciudad, con su servicio de desechos del hogar o con el surtidor donde comprò el producto.

**PT**

O simbolo no produto ou na embalagem indica que este producto não pode ser tratado como lixo doméstico. Em vez disso, deve ser entregueado ao centro de recolha selectiva para a reciclagem de equipamento electrico e electronico. Ao garantir uma eliminação adequada deste producto, ira ajudar a evitar eventuais consequencias negativas para o meio ambiente e para a saude publica, que, de outra forma, poderiam ser provocadas por un tratamiento incorrecto do producto. Para obtener informações mais detalhadas sobre a reciclagem deste producto, contacte os serviços municipalizados locais, o centro de recolha selectiva da sua area de residênciа ou no distribuidor onde adquirir ou producto.

### 1.3 Safety symbols legend



PERICOLO

This symbol indicates a danger to life or health of the staff.



ATTENZIONE

This symbol indicates a danger to the hardware and/or the environment.

## 1.4 Warranty information

Warranty is regulated by the document "Warranty conditions" available on the website **www.fecpos.it**

Customers are responsible for packing the defective products, making sure it is resistant to further damage and deterioration during transport. For this reason it is necessary to keep and use preferably the original packaging supplied with FEC system.

## 1.5 Safety precautions

- Do not place the device under heavy loads or in an unstable position.
- Do not use or expose this device to magnetic fields, as magnetic interference can affect the performance of the device.
- Do not expose the device to high levels of direct sunlight, high humidity or wet.
- Do not obstruct ventilation openings or airflow in any way.
- DO NOT expose or use close to liquids, rain or humidity. DO NOT use during storms.
- The unit can operate at 35C° max temperature. Do not expose to temperatures below 5C° or above 35C°.
- To avoid electric shocks or fire risks, do not apply a voltage to a terminal that is outside the range specified for that terminal.
- To avoid electric shocks or dangers, do not remove the lid when using the adapter. Also, be sure to disconnect the adapter from the external power source (220V) before connecting the power supply to the system.
- Do not drop or subject to excessive impact.
- Before cleaning the adapter, disconnect it from the AC power supply and use only a slightly damp cloth for the operation.



# **2**

## **INTRODUCING THE SYSTEM**

## 2. Introducing the system



Image 1  
WITOUCH CORE 6 E

### General features

WiTouch Core 6 E represents the sixth generation of high-performance All in One Touch PC specifically designed to meet the performance needs of both evolved point of sales, for cash point applications in the Retail and Hospitality markets, either for Point of Information or Production Data Collection applications. In an extremely compact size, similar to that of a simple 21.5" monitor, we have integrated technologies that can satisfy even the most demanding users.

Using 10° generation Intel® Core™ processors allows top performance and low power consumption with high silence even for high definition graphics applications.

The 21.5" LCD display supports a full HD resolution of 1920 x 1080 px 16:9 format and is equipped with a 10 simultaneous touch True Flat capacitive Multi Touch sensor compatible with Windows 10 operating systems. The display also includes a Webcam, two stereo speakers and 1 digital microphone perfectly integrated. The I/O equipment (1 serial, 6 USB, 1 LAN e 1 HDMI e VGA) makes Witouch Core 6 E suitable for the most different needs in several vertical applications.

Extremely flesible storage due to the possibility of mounting an SSD M.2 module directly on the motherboard in addition to a SSD or a 2,5" HDD Sata3 for count-



Image 2

WITOUCH CORE 6 E | Vista Posteriore

of more than 90° - or on the wall, thanks to the convenient VESA 100 mount. The new 10° generation Intel® Celeron or Core™ processors with Intel® UHD graphic integrated, allow very high performance with low power consumption and extreme silence.

less combinations that allow to manage unprecedent capacity and security needs. Wifi 5 integrated as standard (802.11 AC) with Bluetooth completes the PC panel equipment.

### Integrated “all in one” system

Witouch Core 6 E can be used on the table - thanks to the base that provides an extremely solid and stable support for touch operations and allows a display adjustment

### Printers and Add-on

In addition to the numerous integrated functions, the Witouch Core 6 E allows the integration of functions such as:

- Up to 2 storage modules
- DDR4 memory expandability to 2666MHz up to 32GB

### Communication Ports and Display

- 1 serial port on DB9 connector
- 6 USB ports (4 x USB 2.0 and 2 x USB 3.2 Gen1 - 5Gb/s)

- 1 LAN port Gbit Ethernet Realtek
- integrated WiFi
- 1 HDMI port
- 1 VGA port
- integrated WebCAM (2.0Mpixel)
- 2 integrated 1.5 W speakers
- Capacitive touch screen 10-touches true flat
- Microphone jack
- Headphone jack

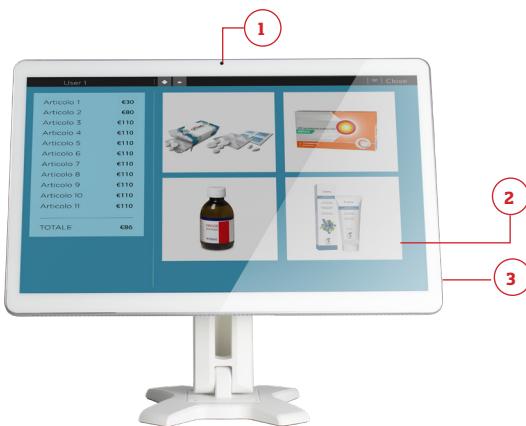


Image 3  
WITOUCH CORE 6 E | Side I/O ports



Image 4  
WITOUCH CORE 6 E | Bottom I/O ports

## 2.1 Front view



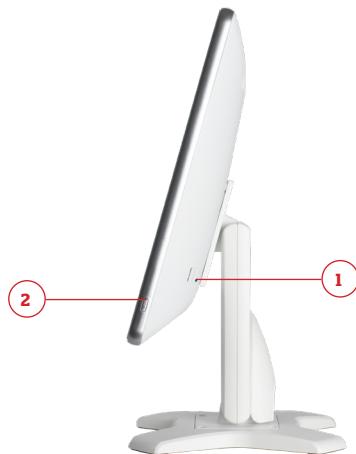
1. Webcam
2. LCD Display
3. Power button

## 2.2 Back view



1. VESA mount
2. Stand
3. Speaker
4. 2 x USB 2.0

## 2.3 Side view (right)

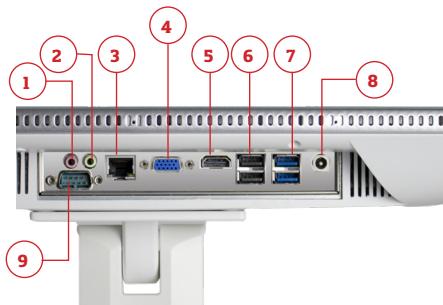


1. 2 x USB 2.0
2. Power button

## 2.4 Side view (left)

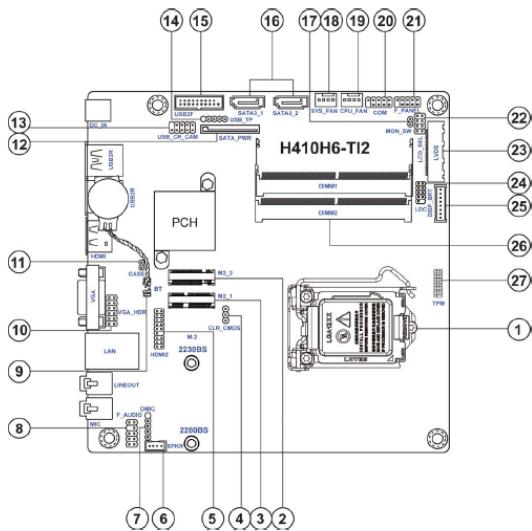


## 2.5 Bottom view



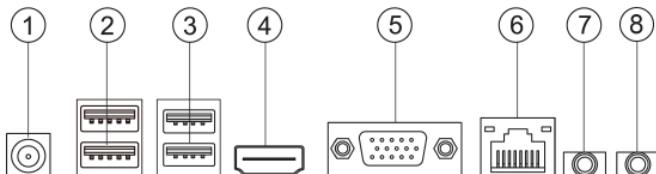
1. 1 headphone jack
2. 1 microphone jack
3. 1 x porta LAN Gigabit Ethernet Realtek su RJ45
4. 1 x VGA
5. 1 x HDMI
6. 2 x USB 2.0
7. 2 X USB 3.2 Gen
8. Power connector
9. 1 x COM on DB9

## 2.6 Motherboard



<b>1</b>	CPU Socket	LGA1200 socket for Intel® Comet Lake_S Processor
<b>2</b>	M2_2	(Key-M) type 2280 supports SSD (SATA/PCIe Gen.3)
<b>3</b>	M2_1	(Key-E) type 2230 supports Wifi (PCIe Gen.3) / BT
<b>4</b>	CLR_CMOS	Clear CMOS jumper
<b>5</b>	HDMI2	HDMI Header
<b>6</b>	SPKR	2 Channels audio speaker header (For All-In-One Specification)
<b>7</b>	DMIC	Digital microphone header (For All-In-One Specification)
<b>8</b>	F_AUDIO	Front panel audio header
<b>9</b>	BT	Battery
<b>10</b>	VGA_HDR	VGA (D-sub) header
<b>11</b>	CASE	Case open header
<b>12</b>	SATA_PWR	SATA power connector
<b>13</b>	USB_CR_CAM	USB 2.0 header (black) supports card reader and camera or other USB 2.0 device
<b>14</b>	USB_TP	USB 2.0 header (yellow) supports touch panel or other USB 2.0 device
<b>15</b>	USB3F	Front panel USB 3.2 Gen1 header
<b>16</b>	SATA3_1~2	Serial ATA 6Gb/s connectors
<b>17</b>	MON_SW	Display on/off (For All-in-One Specification)
<b>18</b>	SYS_FAN	4-pin system cooling fan connector with smart fan function

<b>19</b>	CPU_FAN	4-pin CPU cooling fan connector with smart fan function
<b>20</b>	COM	Onboard serial port header
<b>21</b>	F_PANEL	Front panel switch/LED header
<b>22</b>	LCD_SEL	LCD panel select jumper (For All-In-One Specification)
<b>23</b>	LVDS	LVDS connector (For All-In-One Specification)
<b>24</b>	LDC	Debug card header
<b>25</b>	DISP_BRT	LVDS brightness control header (For All-In-One Specification)
<b>26</b>	DIMM1~2	DDR4 SO-DIMM socket
<b>27</b>	TPM	Trusted platform module header



<b>1</b>	DC_IN Port. Connect the DC_IN port to the power adapter.
<b>2</b>	USB 3.2 Gen1 Ports. Use the USB 3.2 Gen1 port to connect USB 3.2 Gen1 device.
<b>3</b>	USB 2.0 Ports. Use the USB 2.0 ports to connect USB 2.0 devices.
<b>4</b>	HDMI Port. Connect the display device to the HDMI port.
<b>5</b>	VGA Port. Connect the display device to the VGA(D-sub) port.
<b>6</b>	LAN Port. Connect an RJ-45 jack to the LAN port to connect your computer to the Network.
<b>7</b>	Line-out (green). It is used to connect to speakers or headphones.
<b>8</b>	Microphone (pink). It is used to connect to a microphone.

## 2.7 Package contents

Witouch Core 6 E	
n1. Power supply	
n.1 Keyboard	
n.1 Mouse	

## 2.8 Technical specifications

Feature	Description
Microprocessor	10th generation Intel® Celeron or Core™ processor: Intel® Celeron G59XX, Core i3-10100, i5-10400 or i7-10700
LCD Display	LCD LED Display 21,5" (wide) 16:9
Touch Screen	Capacitive true flat 10 touches simultaneous
Chipset	Intel® H410 Express Chipset
Memory	DDR4 2666 MHz SODIMM
Memory sochets	2
Standard memory/ maximum	4GB standard / 32GB max
Resolution	1920 x 1080
Standard graphic	Intel® UHD 630 integrated
Speaker	2 interior speakers 1.5W
Ports	4 x USB 2.0 2 x USB 3.2 Gen1 (5Gb/s) 1 x DC-in jack 1 x RJ45 Gigabit Ethernet Realtek 8111H 1 x Microphone Jack 1 x Audio jack uscita 1 x HDMI 1 x VGA 1 x Serial port on DB9 connector
LAN standard	Gigabit Ethernet Realtek
Keyboard	USB 105 keys o 84 keys opzional
Mouse	USB optional
WebCAM	2.0 Mpixel integrated
Storage standard	SSD SATA 2,5" - 128 GB
Opzioni	SSD SATA 2,5" up to 1TB, HDD 500GB
Wireless LAN	Wi-Fi 5 (802.11 AC) with Bluetooth integrated
VESA mount	VESA standard 100x100mm
Weight	about 4,5kg (Panel PC only)
Size LxHxP (mm)	515x320x50 mm (Panel PC only)
Power supply standard	19V /120W External power supply
Product certifications	Directives 2014/35/UE (LVD) 2014/30/UE (EMC) 2011/65/UE (RoHS II) 2015/863/UE (RoHS III) 2009/125/CE Regulation (UE) No. 617/2013 EMC EN 55032:2015/AC:2016 Class A, EN 61000-3-2:2014, EN 61000-3-3:2013 EN 55024:2010 (IEC 61000-4-2 Edition 2.0 2008-12, IEC 61000-4-3 Edition 3.2 2010-04, IEC 61000-4-4 Edition 3.0 2012-04, IEC 61000-4-5 Edition 2.0 2005-11, IEC 61000-4-6 Edition 4.0 2013-10, IEC 61000-4-8 Edition 2.0 2009-09, IEC 61000-4-11 Edition 2.0 2004-03) LVD EN60950-1: 2006-04 + A11: 2009-03 + A1: 2010-03 + A12: 2011-02 + A2: 2013-08EN62368-1: 2014-08 + EN62368-1/EC: 2015-05 + EN62368-1/A11: 2017-01 + EN62368-1/AC: 2017-03ROHS EN 50581:2012CODESIGN EN 62623:2013
Software certifications	Microsoft® Windows 10 Professional and IOT Enterprise
Warranty	12 months on-center at FEC Italia, Up to 3 years extention on-center optional



# **3**

## **OPERATING INSTRUCTION**

# Istruzioni d'uso

## 3.1 Power connection



1. Connect the power supply to the PC.
2. Connect the power cord to the power supply.
3. Connect the plug to the socket.

It is recommended to use only the power supply supplied with the system, to avoid damaging the system itself and any connected peripherals.



**ATTENTION**

Attention! The system is supplied with its own power supply. Use only the adapter to avoid damage to the system.



**ATTENTION**

Attention! The power supply may warm up during use. Be careful not to cover the power supply and keep it away from the body.

### 3.2 Desktop positioning



Arrange the display at an angle of 10 to 35 degrees.

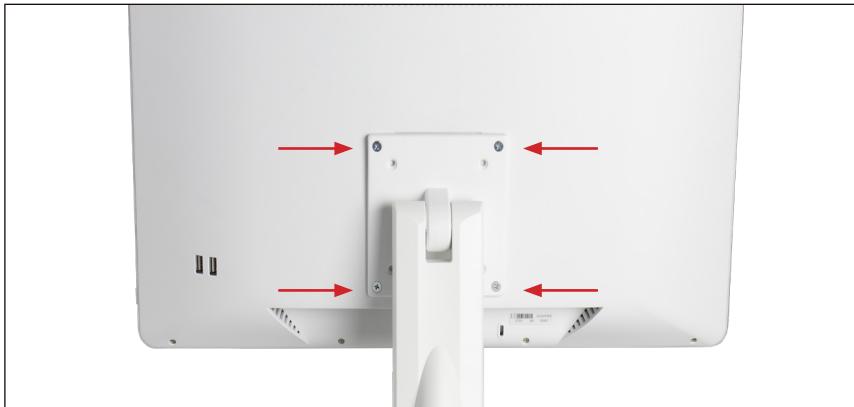
### 3.3 ON/OFF



Connect keyboard, mouse, LAN and press the power button.

### 3.4 VESA wall mount (optional)

The system can also be installed on the wall using a bracket or arm compatible VESA 100x100mm.



The VESA bracket by FEC Italia is designed for wall installation with a support for the built-in power supply.





### **3.5 Screen cleaning**

Follow these directions to clean the screen:

- 1.** Turn off the system and disconnect the cables.
- 2.** Moisten a soft cloth and gently pass the screen surface.
- 3.** Do not spray liquids directly on the screen.

### **3.6 Touch screen**

The touch screen simulates the use of a mouse:

- 1.** One touch is the left mouse click.
- 2.** Tap and hold is the right mouse click.

### **3.7 Using BIOS**

BIOS (Basic Input and Output System) Set Up Utility shows the system configuration status and provides the ability to set various system parameters. To access the BIOS, when switching on:

- press “DEL” or “F2” per enter Setup
- Press F7 to enter the Boot Menu and select the boot device.

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