



# ESA Rugged Tablet User Manual

Quickstart

Connect  
Ideas.  
Shape  
solutions.



## Table of contents

<b>Document description .....</b>	<b>3</b>
<b>Product View and description.....</b>	<b>3</b>
Top View .....	4
Backside View .....	5
Leftside View.....	6
Front View.....	7
Backside inside view .....	8
Bottom view.....	9
Rightside view .....	10
<b>Rugged tablet accessories .....</b>	<b>11</b>
Power Adapter .....	11
Battery charge.....	11
Charging Docking Station .....	12
Vehicle mount holder .....	13
Removable Keyboard .....	14
Removable battery.....	15
Additional strap handles .....	15



# Document description

This document will guide you in both the hardware description and software configuration of the ESA Rugged Tablet.

Here below a brief introduction of the Key layout, definitions and of the basic operating system functionalities.

This guide will assume you are familiar with Microsoft Windows 10.

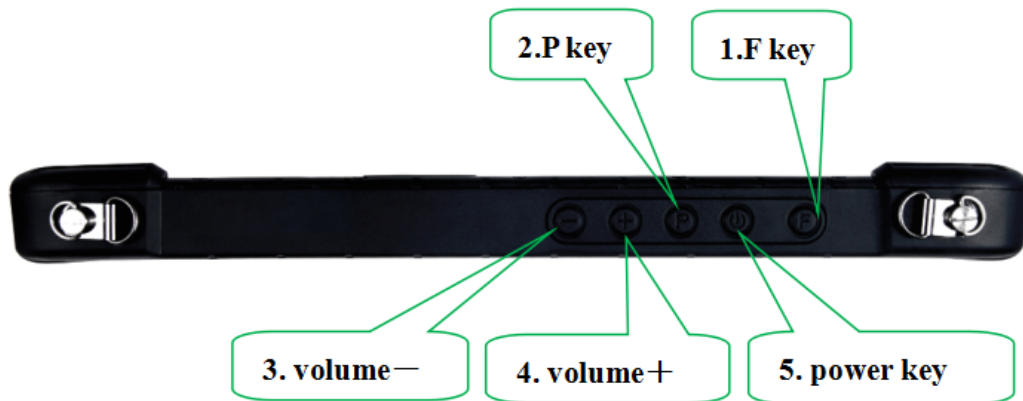
## Product View and description

Here below a general view of the product and the description of the different connections and pushbuttons.





## Top View



**F Key:** Custom key, by default barcode scan but the functionality can be redefined via a specific tool.

**P Key:** Windows key

**Volume +/-:** Volume up and down

**Power key:** press it to turn the tablet PC on and off. In order to power on keep pressed for 5 seconds



## Backside View

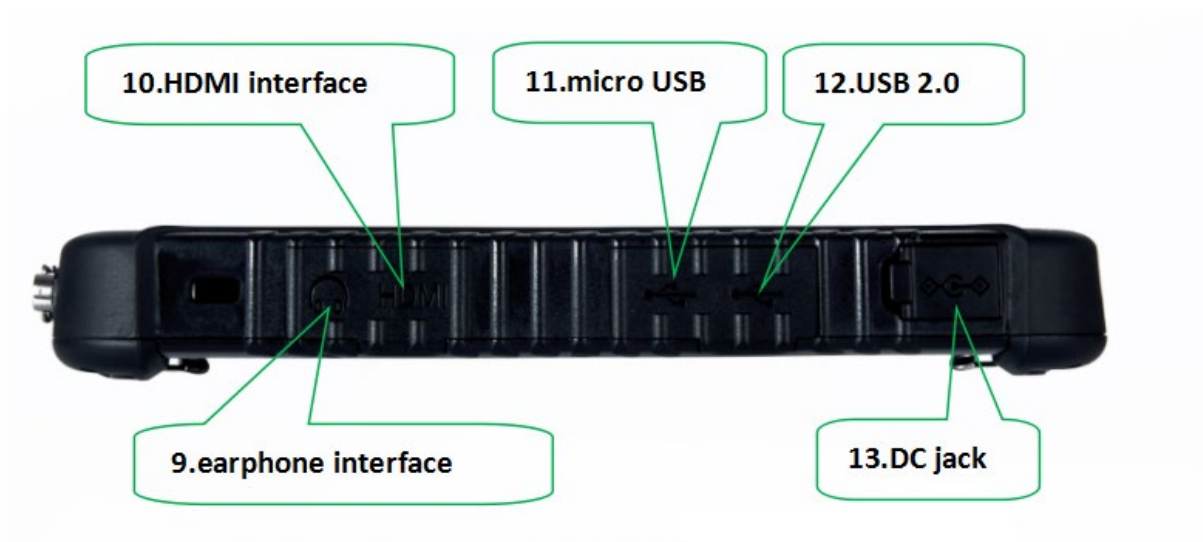


**Rear Camera:**  
**1D/2D module:**  
**Finger Print:**

8MP, take pictures and video recording  
1D or 2D barcode scanner module  
used for Windows log-in or file encryption



## Leftside View



**Earphone interface:**

**HDMI interface:**

**Micro USB:**

**USB 2.0:**

**DC Charge:**

3.5 mm standard Earphone Audio output interface

High Definition Multimedia Interface, HD media interface

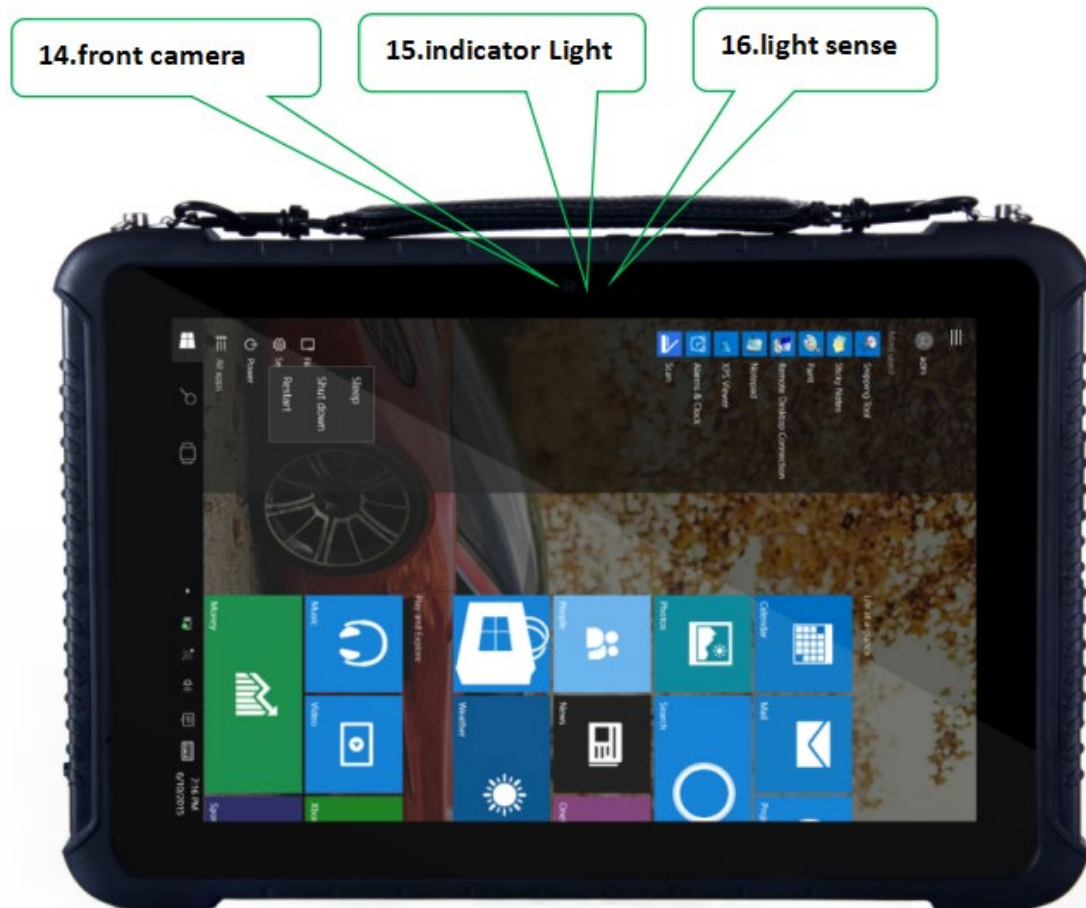
Data transferring or charge

USB data transmission interface, connect USB storage devices and plug and play USB devices

DC interface plug in charge



## Front View



**Front Camera:**  
**Light Indicator:**

2MP, take pictures and record video  
battery status

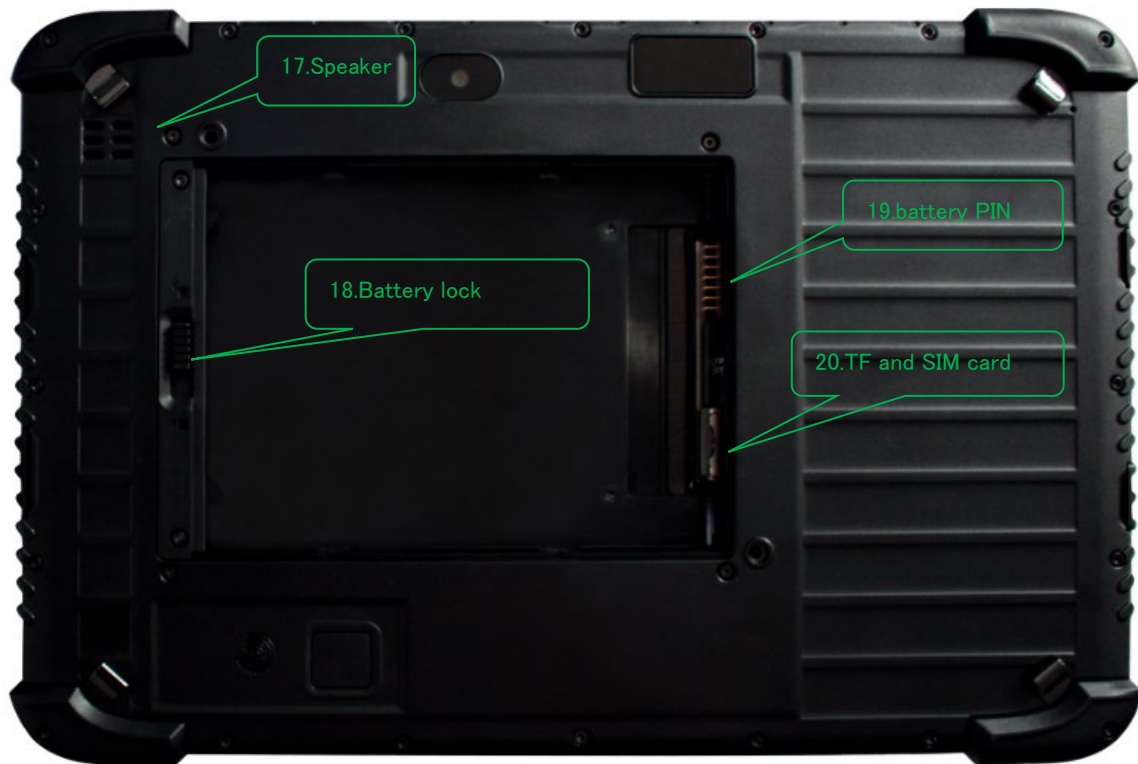
- Flashing if charging
- Fixed if the battery is full but still powered
- Flashing if battery needs to be powered

**Light sense:**

brightness automatically adjusted



## Backside inside view



<b>Speaker:</b>	Built in speaker. 8 $\Omega$ / 0.8W speakers x 1.
<b>Battery lock:</b>	Lock back cover protection battery
<b>Battery pin:</b>	Internal battery connection
<b>TF and SIM card:</b>	TF card expansion, max. 128Gb. 3g and 4G nano SIM card





## Bottom view

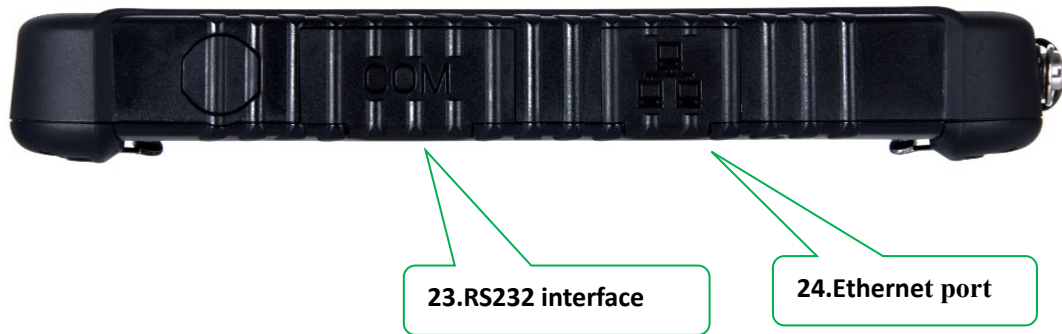


**Pogo PIN connector:**

docking connection, USB interface, network port and charging interface.



## Rightside view



**RS232 interface:**  
**Ethernet port:**

RS232 Com port  
Ethernet 1 port



# Rugged tablet accessories

Here below the complete list and description of the several accessories available.

## Power Adapter



Both the tablet and the docking station can be powered directly via an external adapter.

INPUT: 100-240 VAC  
50/60 Hz  
0.5 A

OUTPUT: 5V DC  
3A



### Battery charge

For a complete battery charge in case of a direct connection it will take about 3 hours.  
In case of connection via the docking station it will take about 10 hours.



## Charging Docking Station



The docking station will be connected to the external power supply via the power adapter. The tablet will be plugged via the 21 pins pogo connection.

The LAN port and three USB ports will be available via the docking station connections.



## Vehicle mount holder



Plug in plate for vehicle or wall mounting.  
VESA 75/100 backside connection.



**Power supply connection:**  
**2 USB ports:**

the plate will be the tablet recharging station  
2 USB connection

Both the USB connections and the power supply connection can be secured via a removable fixing connection

**LAN port:**  
**RS232 COM port:**



**Security Lock:** the tablet can be locked via the top key security connection.

## Removable Keyboard





## Removable battery



The battery is available as additional accessory.

## Additional strap handles

An additional strap handle can be added both to the backside and topside.





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