All displays are packed in a cardboard box with positioning blisters.



Each panel is secured with foil, which is to protect the screen from damage.



The glass on the touch panel is highly durable, which makes it more resistant to scratches and cracks.



# AAAA / AAA SERIES

### The AAAA series is a higher quality LCD

**AAAA SERIES** 

screens compared to the AAA series. The products have better brightness and color reproduction.

#### The AAA series is the basic market quality of LCD displays.

**AAA SERIES** 

holders for sensors, loudspeakers and the camera as well as sponges on the tapes that prevent too much bending and detachment of the tapes while using the phone. Both the AAA and AAAA series are used in screens from the iPhone 5 series to

Similar to the AAA series, AAAA products have small components mounted. These are

**iPhone X / 11 / 12 / 13 SERIES** 

the iPhone 8 series, including the iPhone SE models.

## Max models) use both Soft OLED and Hard OLED screens.

**ONCELL INCELL** It is a technology that allows the integration of a touch panel into the LCD

The screens of the iPhone X series (i.e. the iPhone X, iPhone XS and iPhone XS

### displays. The touch panel is not

This is a basic variant of traditional LCD

integrated into the screen making it thicker.

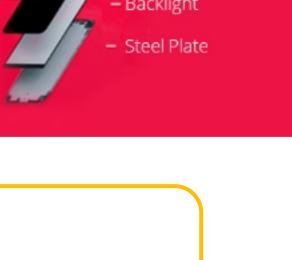
### display, making it possible to produce

screens of less thickness. InCell also means a better quality of the displayed image, but they are more expensive than Oncell screens. **INCELL** 

### Cover Glass Digitizer OCA Adhesive Polarizer LCD screen Backlight Steel Plate

**ON**CELL

### Polarizer **LCD** with Digitizer Backlight



Cover Glass

OCA Adhesive

**HARD OLED** 

### substrate of the LCD screen.

COG

Chip On Glass chip on glass is a

method of putting the driver IC

directly onto the glass

and complexity of the production process, these displays are more expensive than those in the COG version. COG

COF

Chip On Flex is a control chip mounted on a flexible tape. This allows you to increase

the ratio of the display size to the housing

and reduce the bezels around the display

by 1-2m. Unfortunately, due to the difficulty



## · Price: lower than Soft OLED.

- - **SOFT OLED**

last longer compared to the quality of Hard OLED displays.

Durability: equivalent to the original, higher than Hard OLED;

Display Size: Smaller than the original (a thicker frame is used);

 Power consumption: equivalent to the original; Durability: Lower than original and Soft OLED;

 High color display accuracy; · Good screen brightness; · Display size: equivalent to the original;

SERVICE PACK / SERVICE PACK +

or flexible OLED

The original screens for the iPhone X series have a soft OLED that allows the display

Soft OLEDs are more expensive but match well with the iPhone X series display and

durability by absorbing the energy of accidental hits on the screen Surface.

to flex around the outer edges of the screen. The flexible base provides it with greater

• The price is higher than Hard OLED

The most important features of Soft OLED:

· Power consumption: equivalent to the original;

Greater black depth and better contrast;

Is refurbished original LCD or OLED display.

SERVICE PACK +

Is refurbished original LCD or OLED

display. All elements are original

except for the high-quality glass

replacement.

# **THE ORIGINAL**

all the necessary elements as for the original panel.

protects the screen against possible scratches.

(Organic Light Emitting Diode).

**SERVICE PACK** 

This means that, except for the display,

all elements (touch panel, protective

glass, small elements) are a high-quality

replacement. Small elements are:

camera holder, sensor holder, speaker

plug and sponges on the tapes to

prevent the tapes from bending too

much and detaching when using the

phone.

**iPad Touch Panels** A high-quality glass is attached to the front. The whole panel is secured with a protective foil that

# There are two display technologies in smartphones - LCD (Liquid Crystal Display) and OLED

production process. On the other hand, OLED displays emit their own light, do not require

backlight and do not have it. This is the most important difference compared to LCD

technology, which makes it much better compared to LCD technology.

WHAT ARE LCD AND OLED TECHNOLOGIES?

The Full Front Set information (in the product name) suggests that the kit contains

ORIGINAL

This is one hundred percent original

product in the service package.

The main difference is that LCD screens do not emit their own light - the light source is the backlight, which is a separately foldable module attached to the LCD panel during the

· Minimum thickness. Due to the fact · **High price**. The technology of OLED displays is quite expensive, which is why that modern matrices do not have an LED backlight layer, they are thinner. they are usually assembled into more technologically advanced products.

**OLED** 

light.

#### the overall energy consumption of the matrix. · Maximum viewing angles. Aligning

· Deep black color. The organic black

LEDs are completely off and emit no

· Low energy consumption. OLED

displays do not have LED backlight,

which works continuously. This reduces

**Advantages of OLED displays:** 

the user with the display plane has no effect on the image quality. · High contrast ratio. The possibility of

obtaining deep blacks increases the

contrast of the matrix.

**LCD** 

· LCD screens are brighter than their

**OLED counterparts.** This is indirectly

related to the sharpness of the image -

Advantages of LCD displays:

the edges are not so jagged.

**Disadvantages of LCD displays:** The disadvantages of LCD technology

The disadvantages include:

· Burnout of organic light-emitting

emits light by itself, hence it has a

case, can become blue or yellow.

than that of LCD technology.

limited life.

diodes - each diode in the OLED matrix

· Better viewing angles adversely affect

whiteness. This one, depending on the

Power consumption is much higher

- are a reversal of the advantages of OLED technology.
- The most important of them are: **poor** viewing angles, "gray black" and worse contrast.
- · They are also thicker, which in the era

TelForceOne

· White is more natural.

- great importance.

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- of thinner smartphones is of