

# Ubiik's Wireless ePaper



Over 2 Year Battery Life



Go Paperless



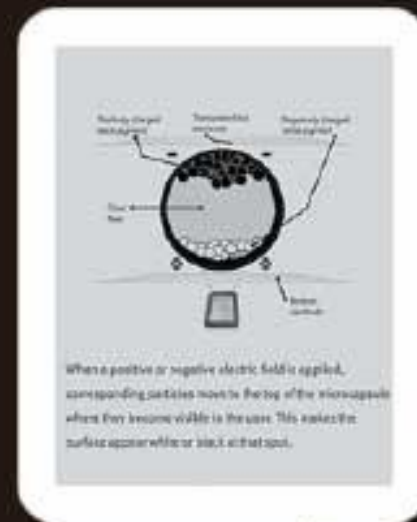
Customizable

[www.ubiik.com](http://www.ubiik.com)

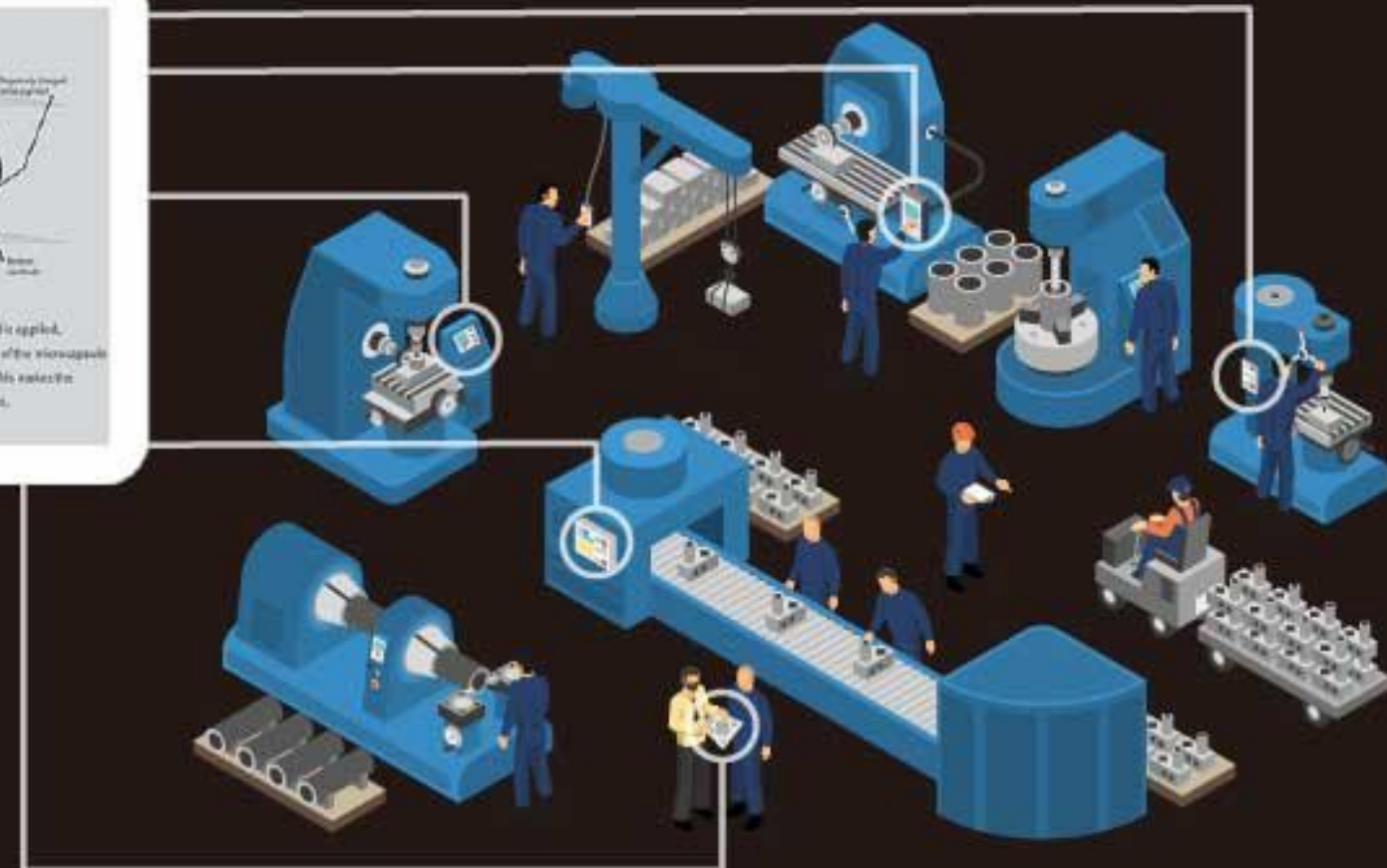
1 Base Station(s) create low power network

2 Wirelessly Update ePaper



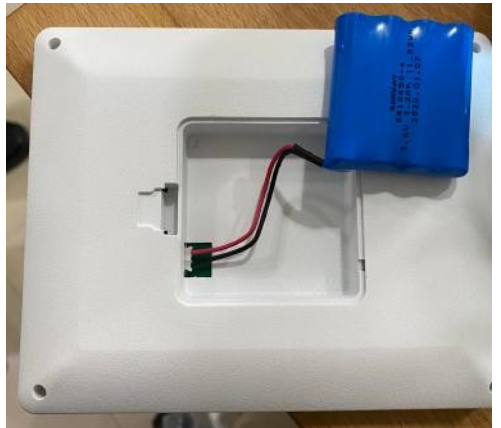
Over 500m Range



When a positive or negative electric field is applied, corresponding particles move to the top of the microcapsule where they become visible to the user. This makes the surface appear white or black at that spot.

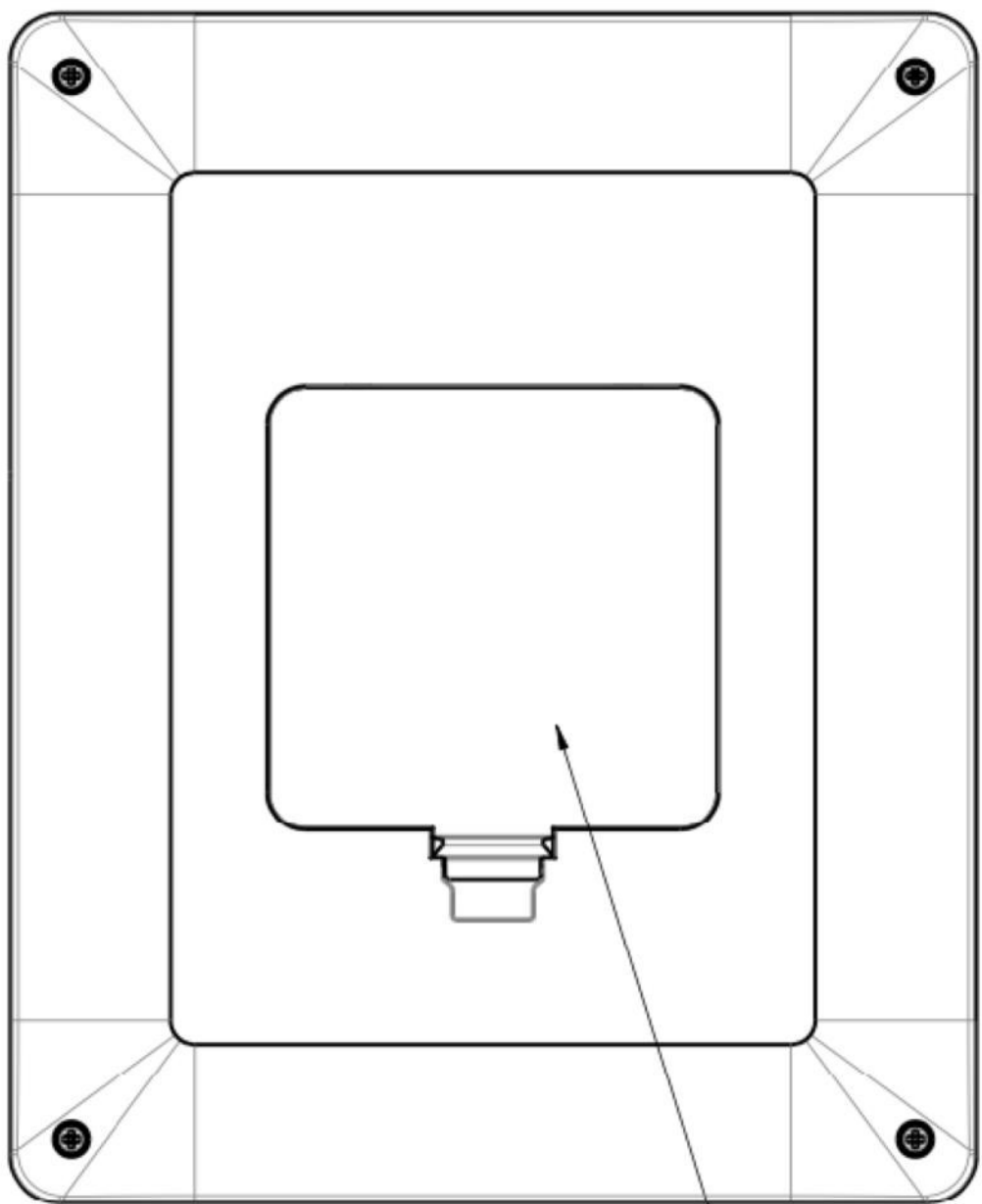
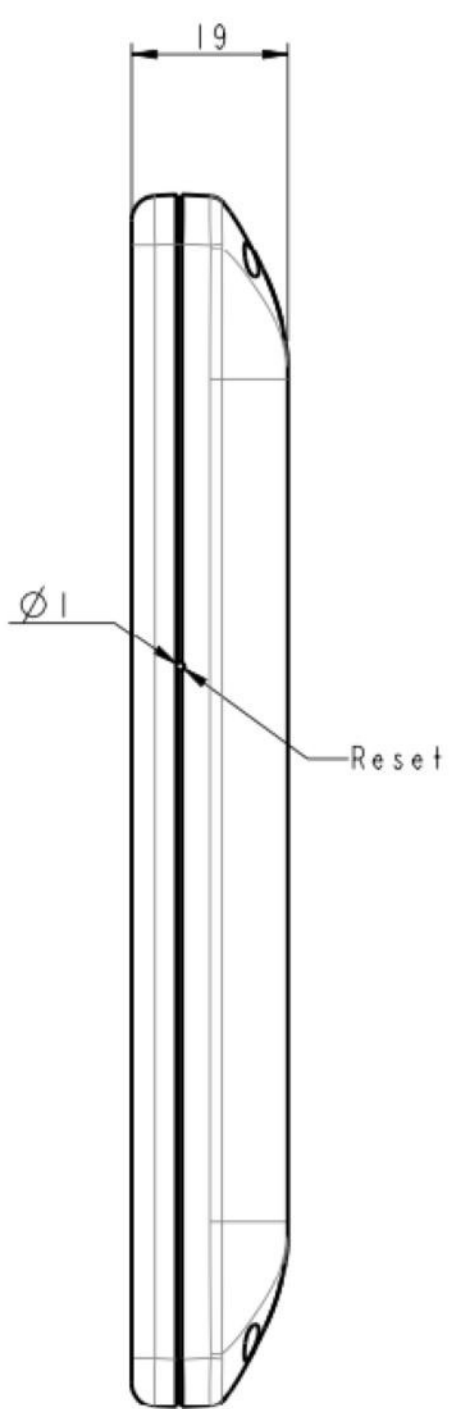
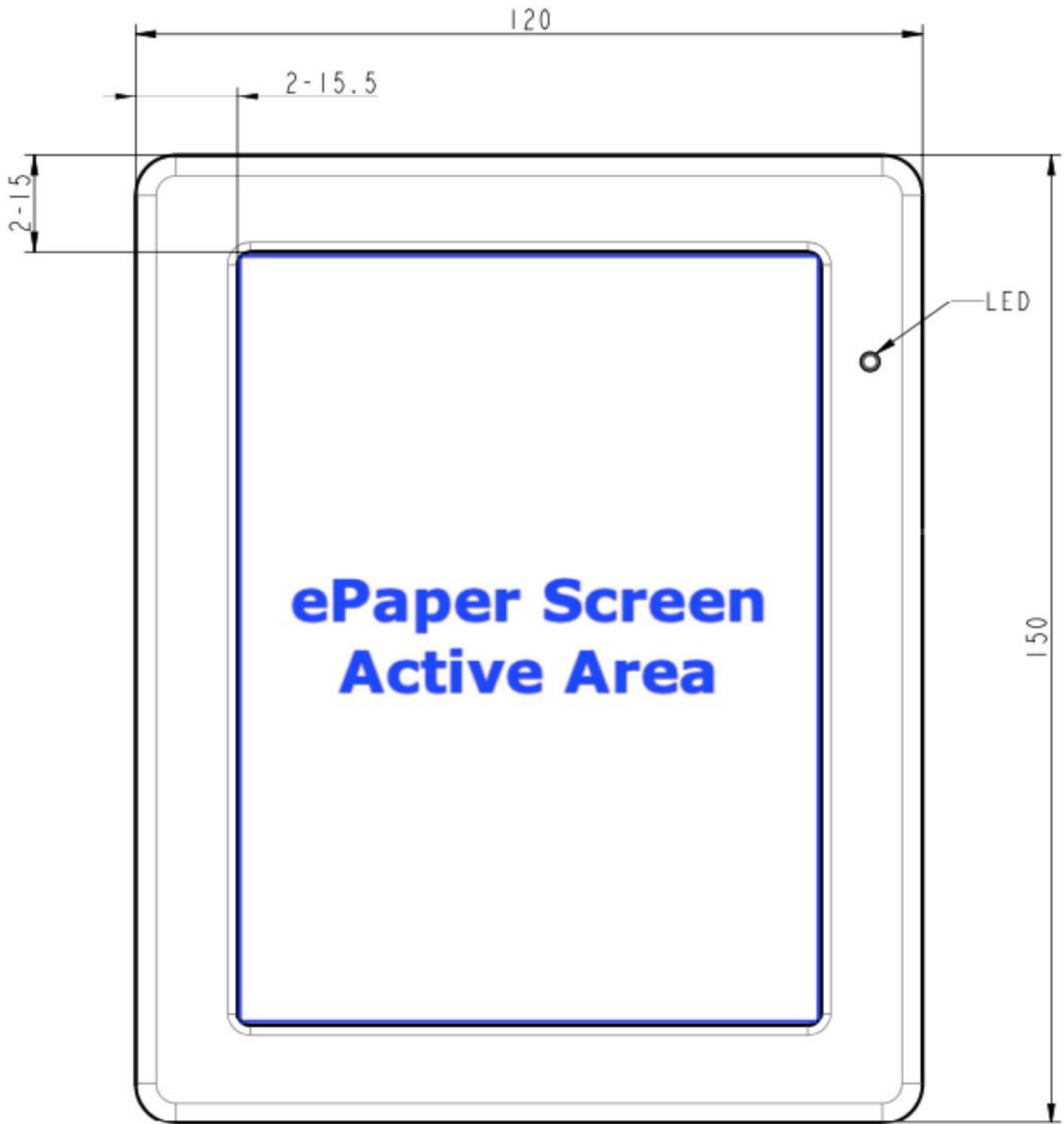


# 6" ePaper Tag

<p>Front</p>	
<p>Back</p>	
<p>Back (Batteries)</p>	

Item	Description
Wireless	Wireless Protocol: Weightless LWPAN Frequency: FDMA+TDMA in 12.5kHz narrow band Operation: 915 MHz (U.S) , 868 MHz (EU) Data rate: 625bps to 100kbps Transmit power: up to 14dBm Encryption: AES-128
Temperature condition	0 to +40 °C
Humidity range	38 – 70 %RH
Storage temperature	-25 to +70 °C
Housing	Casing: 6" hardware casing Material: Polycarbonate Color: Pure white (RAL9010) Dimensions: 150mm x120mm x 20mm
Tag Firmware	Templates: 10 per Tag Template Areas: 12 per tag
Battery	4 x AAA (4 x 800=3200mAh) / Replaceable
Battery Life	2 years (12 updates per day) Low Battery Notification: ~3 month battery life warning
Display	Display size: 6" Resolution: 600 x 480 ; Dpi about 138 Active area: 119.232(H)×88.320(V) Number of grey: black and white Reflectance (white): > 30 (typ. 35) Viewing angle: 170°
Update time	1) Latency time (4 sec) 2) Data transfer time (4 sec) 3) Display update time (3 sec)
Size	150mm x 120mm x 20mm (length x width x max thickness)

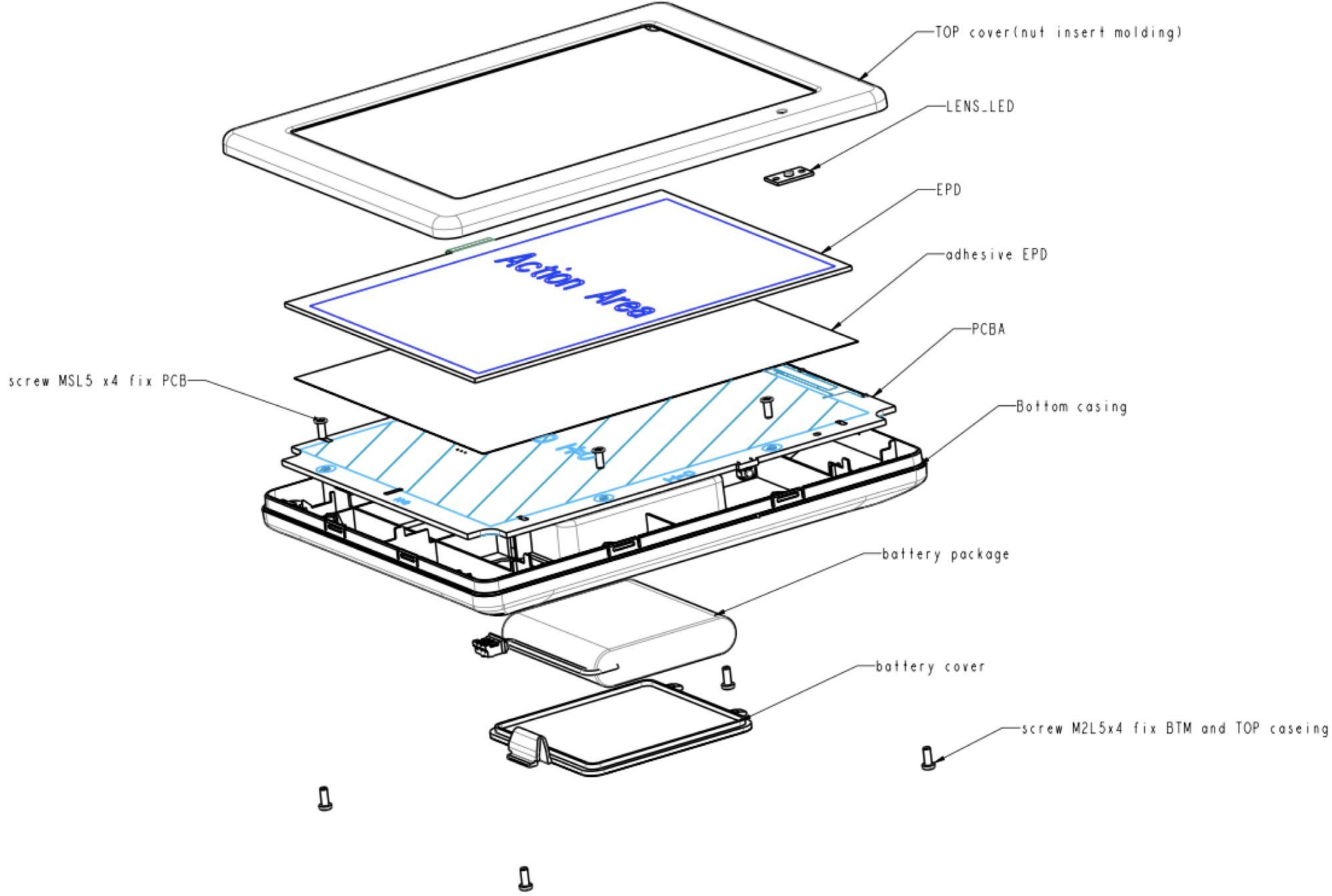
# 6" ePaper Tag – Size & Measurements



Battery cover



# 6" ePaper Tag – Exploded View



# Indoor Base Station



Wireless	On-board Weightless™ protocol stack
Dimension	142 x 103 x 44mm
Weight	220g (without antenna)
Processor	Dual core ARM Cortex-A9 @667MHz running Linux
Interface	Ethernet
Memory	1GB DDR3 SDRAM
Power Supply	AC adaptor 5V/3A
Frequency	450-507MHz, 840-870MHz, 902-928MHz
DL Data Rate	100/50/12.5/6.25kbps
Sensitivity	-129dBm @ 0.625kbps
TX power	Adjustable up to 28dBm
Modulation	GMSK/PSK
Protocol	Weightless protocol stack

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