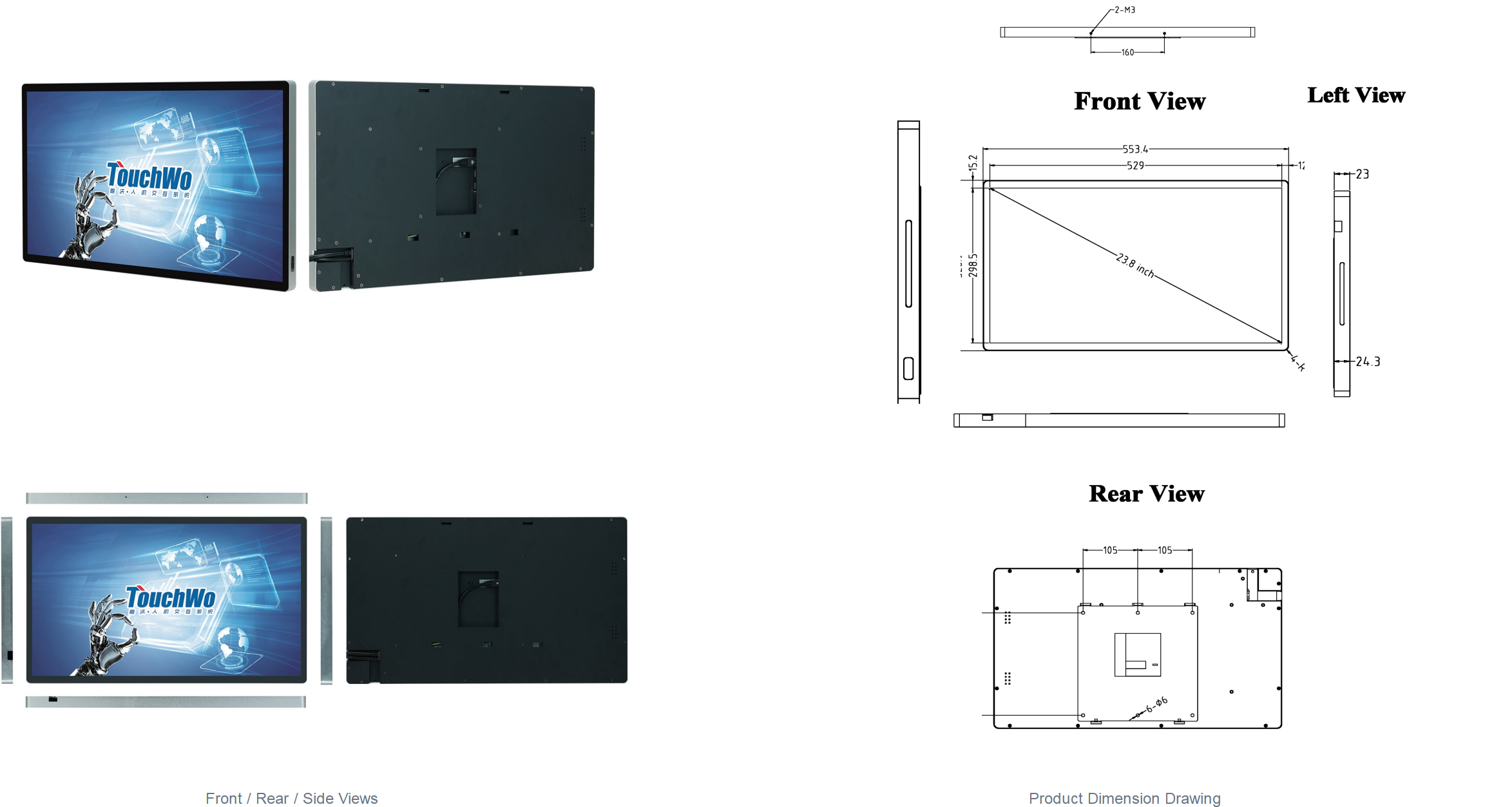


23.8” Digital Room Signage

ARM Version (Android) · Model: BD238F



Product Views



Key Features	
Slim 23 mm Profile Double-sided flat design only 23 mm thin; rounded anti-collision edges and a clean, modern look.	IP65 Front & Side Fully flat capacitive panel with IP65 sealing — safe for semi-outdoor use in rain.
10-Point Capacitive Touch 10-point touch with < 5 ms response; Mohs 7 tempered glass, wear and scratch resistant.	Full-HD Grade-A Display Brand-new grade-A LCD panel with Full-HD resolution and natural, accurate colour.
Concealed & Secure Mounting Hidden ports with anti-theft, anti-drop retention; simple installation and tidy top-exit routing.	Built-in 8 Ω 3 W Speaker Integrated slim power board — no external adapter; 8 Ω 3 W speaker for prompts and announcements.
Easy Installation Built-in slim power board — no external adapter; concealed ports and top-exit cable routing.	Customizable Platform Custom campus Android system, multiple SoC options and power-loss memory support.

Display & Touch			
LCD Panel		Touch Panel	
Screen diagonal	23.8 inch	Touch technology	PCAP
Physical resolution	1920 × 1080	Response time	< 5 ms
Aspect ratio	16 : 9	Touch points	10 points
Active screen size	529 (W) × 298.5 (H) mm	Effective recognition	> 1.5 mm
Colours displayed	16.7M · 74% NTSC (LVDS · 30 pins)	Scanning frequency	200 Hz
Brightness	≥ 350 cd/m²	Scanning accuracy	4096 × 4096
Contrast	≥ 1000 : 1	Working current / voltage	180 mA · DC +5V ±5%
Viewing angle (H/V)	89/89/89/89 (Typ., CR ≥ 10)	Surface hardness	Mohs class 7 explosion-proof glass
Backlight lifetime	LED · 30,000 hours		
Refresh rate	60 Hz		

Operating Environment & Dimensions			
Operating Environment		Dimensions & Weight	
Operation temperature	0 °C ~ 50 °C	Machine size	553.4 × 328.9 × 23 mm (W×H×D)
Operation humidity	10% ~ 80% RH	Package size	640 × 450 × 145 mm
Storage temperature / humidity	-5 °C ~ 60 °C · 10% ~ 85% RH	Net weight	5.20 kg
Operating altitude	≤ 5000 m	Gross weight	7.70 kg

System Configuration			
Android System	RK3568	RK3576	RK3588
CPU	Quad-core Rockchip RK3568	Octa-core Rockchip RK3576	Octa-core Rockchip RK3588
Graphic GPU	ARM G52 2EE	Mali-G610 MC4	Mali-G610
Memory	2 GB / 4 GB	4 GB / 8 GB	4 GB / 8 GB
Storage	32 / 64 GB eMMC	32 / 64 / 128 GB eMMC	32 / 64 / 128 GB eMMC
Operating System	Android 11	Android 14	Android 12
Network	Integrated 10/100/1000 M adaptive Ethernet · Wireless 802.11 a/b/g/n · Bluetooth 5.0		

System design: 10-point projected capacitive touch · Full-HD 1080P display signal · 1080P MPEG / H.264 video decoding · aluminium alloy frame with sheet-metal rear cover.

Power Supply & Packing List			
Power Supply Parameters		Included in the Delivery	
Input voltage	100–240 V AC · 50/60 Hz	Manual	× 1
Output voltage	DC 12 V · 3 A	Wall-mount bracket	× 1
Standby power	≤ 0.5 W	Warranty card · QC certificate	× 1 each
Rated power	< 36 W	AC power cable	× 1

Connectors		
RJ45 Port × 1	USB × 2 (incl. OTG)	DC 12 V × 1 (2.1 mm jack)

Installation Method

The digital room signage uses a concealed wall-mount system. Fix the supplied galvanized bracket to the wall with 6 × M4 countersunk screws, slide the unit down onto it, then drive 2 × M3×14 screws into the bottom until they press against the bracket. Hidden ports and top-exit cable routing keep the finished installation neat and tamper-resistant.

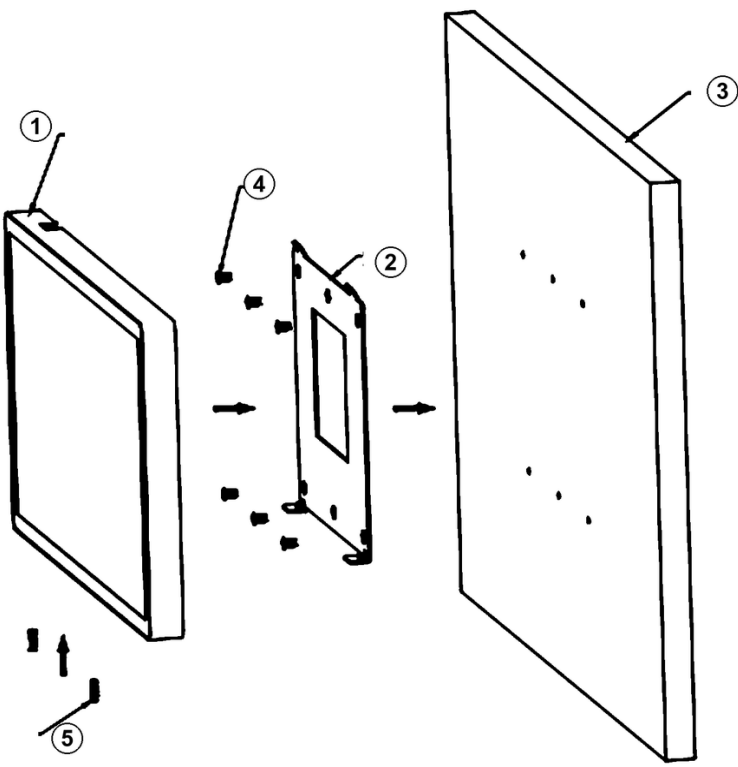


Fig. 1 · Wall-mount assembly (exploded view)

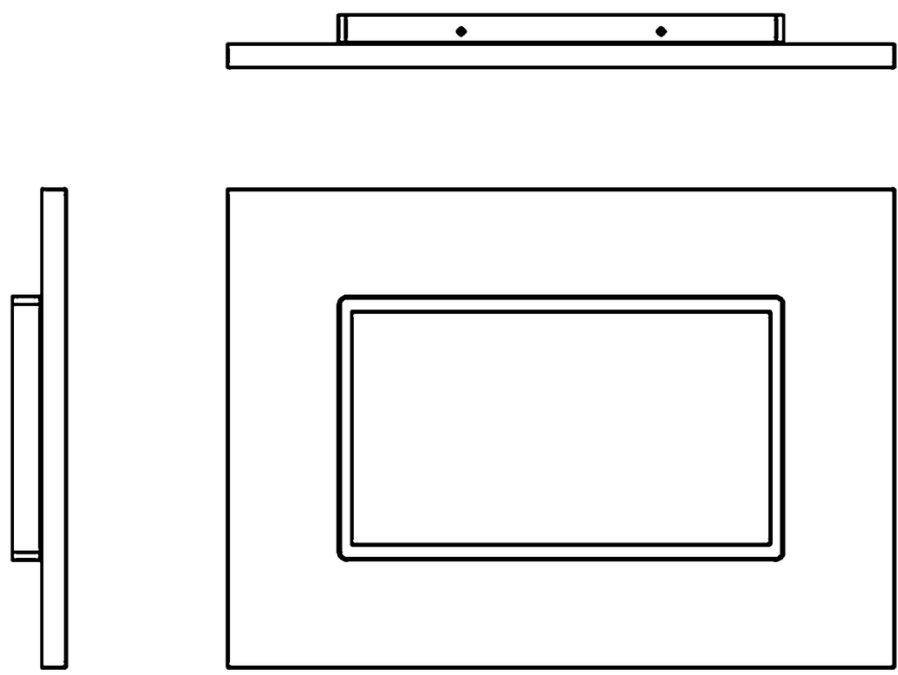
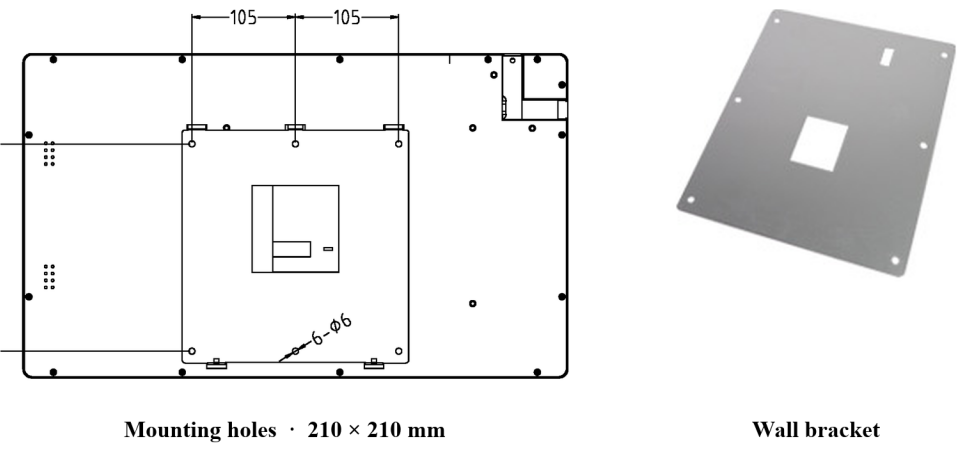


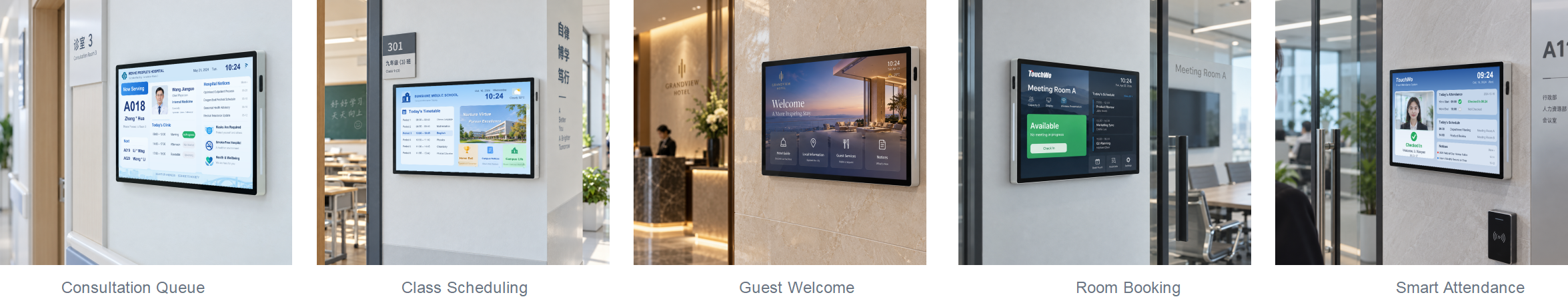
Fig. 2 · Installed views (top / side / front)

Parts Legend	
(1) Digital room signage	23.8" digital room signage, 23 mm thin (model BD238F)
(2) Wall bracket	Galvanized steel plate · net weight 0.53 kg · mounting holes 210 × 210 mm
(3) Wall	Solid, load-bearing wall — concrete or brick
(4) 6 × M4 screws	Countersunk screws fixing the bracket to the wall
(5) 2 × M3×14 screws	Countersunk screws driven from the bottom to lock the unit

Wall Bracket & Mounting Holes



Use Cases



Certifications · CE / FCC / RoHS

