






ODM for you. Not only hardware, but also software

ODM for Smart Fitness T130M / T150M / T220M



Soundwin is Android Panel PC Provider who offer 13.3 inch / 15.6 inch / 21.5 inch AIO for fitness consoles customization. Not only hardware design ability, but also software integrate ability for customization design and system integration to fulfill customers' requirement. Soundwin can provide any kind integrate types of PCBA boards with different types like RS232 or USB interface to connect motors, bike or rower machine.

Core Value

		
<p>Android Board Design</p> <ul style="list-style-type: none"> -Rockchip CPU RK3128/RK3328/RK3399/ RK3288/PX30/RK3368/RK3188 	<p>Software: APK Creation</p> <ul style="list-style-type: none"> - Android OS development - APK development - 3rd party SW integration 	<p>System Integration</p> <ul style="list-style-type: none"> - Console & Motor integration - Extended devices integration

Fitness Console Solutions

		
<p>Treadmill console</p>	<p>Elliptical console</p>	<p>Indoor bicycle console</p>

Interface:



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T130M / T150M :
Standard VESA 75mm x 75mm
T220M:
Standard VESA 100mmx100mm



Product Feature

- HDMI Output support Dual Display Function
- Access to all available Android applications
- Quad-Core ARM Cortex-A17 1.8GHz equipped CPU
- Support H.265/HEVC Video Decode
- Internet video Streaming: UDP multicast, RTSP, HLS streaming
- System Upgrading by OTA Network
- Support User assign the APK for execution right after the system starts up
- Supported rooted Android system
- ADB by TCP/IP support for 3rd develop middleware
- Support 10-point projected capacitive multi-touch
- VESA mount built-in with 75mm x 75mm
- NFC support (optional)

Product Specification			
Model Number	T130M	T150M	T220M
Operation System	Android 6.0.1/7.1.1	Android 6.0.1/7.1.1	Android 6.0.1/7.1.1
Hardware specification			
LCD size	13.3"	15.6"	21.5"
CPU (SoC)	Quad-Core ARM Cortex-A17 1.8GHz	Quad-Core ARM Cortex-A17 1.8GHz	Quad-Core ARM Cortex-A17 1.8GHz
GPU	Mali T764	Mali T764	Mali T764
RAM	DDR3-2GB	DDR3-2GB	DDR3-2GB
Storage	8GB eMMC (default) / 16GB eMMC (optional)	8GB eMMC (default) / 16GB eMMC (optional)	8GB eMMC (default) / 16GB eMMC (optional)
Resolution	1920x1080 FHD resolution	1920x1080 FHD resolution	1920x1080 FHD resolution
Brightness	220 nits	300 nits	250 nits
Touch screen	PCAP touch (10 point multi-touch)	PCAP touch (10 point multi-touch)	PCAP touch (10 point multi-touch)
Language	Default: English ; Multi-	Default: English ; Multi-	Default: English ; Multi-Language



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	Language support	Language support	support
NFC (optional)	ISO 18092 international standard (Reader/writer)	ISO 18092 international standard (Reader/writer)	ISO 18092 international standard (Reader/writer)
	EMCA-340 standard	EMCA-340 standard	EMCA-340 standard
	ETSI TS 102 190 standard	ETSI TS 102 190 standard	ETSI TS 102 190 standard
	Support:	Support:	Support:
	Card emulation mode	Card emulation mode	Card emulation mode
	P2P mode	P2P mode	P2P mode
	Reader/ Writer mode	Reader/ Writer mode	Reader/ Writer mode
	USIM SWP Secure Element	USIM SWP Secure Element	USIM SWP Secure Element
	Available Induction Distance: 3 cm	Available Induction Distance: 3 cm	Available Induction Distance: 3 cm
Network			
WiFi	802.11 b/g/n (default), 802.11ac (optional)	802.11 b/g/n (default), 802.11ac (optional)	802.11 b/g/n (default), 802.11ac (optional)
Ethernet	Giga Ethernet 10/100/1000 Mbits	Giga Ethernet 10/100/1000 Mbits	Giga Ethernet 10/100/1000 Mbits
Bluetooth	4.0 BLE	4.0 BLE	4.0 BLE
Interface			
HDMI Output	support Dual Display function	support Dual Display function	support Dual Display function
USB port	USB port x 1	USB port x 1	USB port x 1
Micro SD Card	Micro SD card x 1	Micro SD card x 1	Micro SD card x 1
Ear Phone	3.5mm ear phone jack	3.5mm ear phone jack	3.5mm ear phone jack
Power Input	Power adaptor input	Power adaptor input	Power adaptor input
Network	RJ45 LAN Port x 1	RJ45 LAN Port x 1	RJ45 LAN Port x 1
Front Camera	2M Pixel	2M Pixel	2M Pixel
Micro Phone	Micro phone inside	Micro phone inside	Micro phone inside
VESA Mount	VESA mount built-in with 75mm x 75mm	VESA mount built-in with 75mm x 75mm	VESA mount built-in with 100mm x 100 mm
Video Streaming			
UDP Streaming	Support multicast UDP stream decode	Support multicast UDP stream decode	Support multicast UDP stream decode
RTSP Streaming	Support RTSP stream decode	Support RTSP stream decode	Support RTSP stream decode
HLS Streaming	Support HLS stream	Support HLS stream	Support HLS stream
Media Parameter			
Video Decoder	Real-time video decoder of MPEG-1, MPEG-2, MPEG-4, H.263, H.264, AVS, VC-1, RV, VP6/VP8, Sorenson Spark, MVC	Real-time video decoder of MPEG-1, MPEG-2, MPEG-4, H.263, H.264, AVS, VC-1, RV, VP6/VP8, Sorenson Spark, MVC	Real-time video decoder of MPEG-1, MPEG-2, MPEG-4, H.263, H.264, AVS, VC-1, RV, VP6/VP8, Sorenson Spark, MVC
	Error detection and concealment support for all video formats	Error detection and concealment support for all video formats	Error detection and concealment support for all video formats
	Output data format is YUV420 semi-planar, and YUV400(monochrome) is also supported for H.264	Output data format is YUV420 semi-planar, and YUV400(monochrome) is also supported for H.264	Output data format is YUV420 semi-planar, and YUV400(monochrome) is also supported for H.264
	H.264 up to HP level 5.2 : 2160p@24fps (3840x2160)	H.264 up to HP level 5.2 : 2160p@24fps (3840x2160)	H.264 up to HP level 5.2 : 2160p@24fps (3840x2160)



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	MPEG-4 up to ASP level 5 : 1080p@60fps (1920x1088)	MPEG-4 up to ASP level 5 : 1080p@60fps (1920x1088)	MPEG-4 up to ASP level 5 : 1080p@60fps (1920x1088)
	MPEG-2 up to MP : 2160p@24fps (3840x2160)	MPEG-2 up to MP : 2160p@24fps (3840x2160)	MPEG-2 up to MP : 2160p@24fps (3840x2160)
	MPEG-1 up to MP : 1080p@60fps (1920x1088)	MPEG-1 up to MP : 1080p@60fps (1920x1088)	MPEG-1 up to MP : 1080p@60fps (1920x1088)
	H.263 : 576p@60fps (720x576)	H.263 : 576p@60fps (720x576)	H.263 : 576p@60fps (720x576)
	Sorenson Spark : 1080p@60fps (1920x1088)	Sorenson Spark : 1080p@60fps (1920x1088)	Sorenson Spark : 1080p@60fps (1920x1088)
	VC-1 up to AP level 3 : 1080p@30fps (1920x1088)	VC-1 up to AP level 3 : 1080p@30fps (1920x1088)	VC-1 up to AP level 3 : 1080p@30fps (1920x1088)
	RV8/RV9/RV10 : 1080p@60fps (1920x1088)	RV8/RV9/RV10 : 1080p@60fps (1920x1088)	RV8/RV9/RV10 : 1080p@60fps (1920x1088)
	VP6/VP8 : 2160p@24fps (3840x2160)	VP6/VP8 : 2160p@24fps (3840x2160)	VP6/VP8 : 2160p@24fps (3840x2160)
	AVS : 1080p@60fps (1920x1088)	AVS : 1080p@60fps (1920x1088)	AVS : 1080p@60fps (1920x1088)
	MVC : 2160p@24fps (3840x2160)	MVC : 2160p@24fps (3840x2160)	MVC : 2160p@24fps (3840x2160)
	For AVS, 4:4:4 sampling not supported	For AVS, 4:4:4 sampling not supported	For AVS, 4:4:4 sampling not supported
	For H.264, image cropping not supported	For H.264, image cropping not supported	For H.264, image cropping not supported
	For MPEG-4, GMC(global motion compensation) not supported	For MPEG-4, GMC(global motion compensation) not supported	For MPEG-4, GMC(global motion compensation) not supported
	For VC-1, upscaling and range mapping are supported in image post-processor	For VC-1, upscaling and range mapping are supported in image post-processor	For VC-1, upscaling and range mapping are supported in image post-processor
	For MPEG-4 SP/H.263/Sorenson spark, using a modified H.264 in-loop filter to implement deblocking filter in post-processor unit	For MPEG-4 SP/H.263/Sorenson spark, using a modified H.264 in-loop filter to implement deblocking filter in post-processor unit	For MPEG-4 SP/H.263/Sorenson spark, using a modified H.264 in-loop filter to implement deblocking filter in post-processor unit
Image browser	JPEG, BMP, PNG	JPEG, BMP, PNG	JPEG, BMP, PNG
Others			
Operating Temperature	0 ~ 45°C	0 ~ 45°C	0 ~ 45°C
Storage Temperature	-20°C ~ 50°C	-20°C ~ 50°C	-20°C ~ 50°C
Humidity environment	5% ~ 90% (No condensation)	5% ~ 90% (No condensation)	5% ~ 90% (No condensation)
Power Supply (AC Adapter)	100 ~ 240 V AC, 50/60 Hz, DC output: 12V/ 2.5A	100 ~ 240 V AC, 50/60 Hz, DC output: 12V/ 2.5A	100 ~ 240 V AC, 50/60 Hz, DC output: 12V/ 2.5A
Weight	1 KG	1.5 KG	3.5 KG
Dimension	35.5 cm x 22.8 cm x 3.2 cm	40.4 cm x 25.3 cm x 3.3 cm	53.9 cm x 33.2 cm x 3.8 cm
Accessories	AC Adapter / Brown BOX	AC Adapter / Brown BOX	AC Adapter / Brown BOX