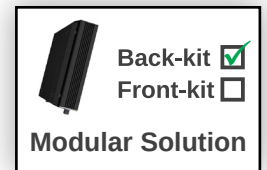


Modular Rockchip 3576 (small back kit)

PCBARK3576



*) Front- & Back-kit Concept - Preliminary Datasheet



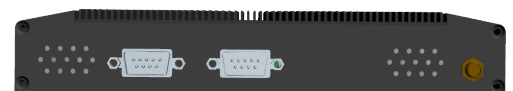
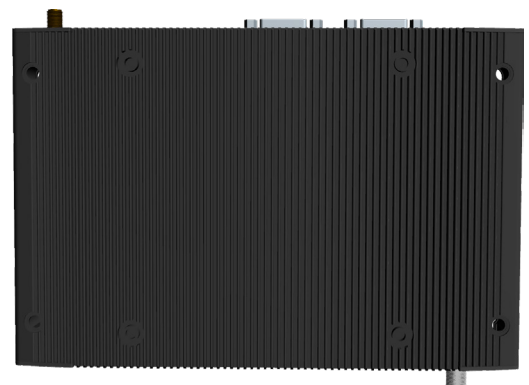
- Rockchip RK3576 mainboard
- Quad-Core Cortex A72 + Quad-Core Cortex A53
- 4GB LPDDR4 RAM Memory
- 32GB eMMC Storage
- Supports Android 14 OS
- Connectors - to mount on front-kit (screwable)
- VESA 100 mounting on back
- Integrated LAN & W-LAN module
- 2 year guarantee (24/7 usage)

faytech's Rockchip IPC back-kits have a pre-installed Android OS. All the IPCs have VESA 100 screw patterns on the back for easy mounting.

With this solution being a modular system, the back-kit can easily be connected to any of faytech front-kit models using various connectors and 4 screws. The IPCs are build for 24/7 operation completely fanless with a wide range of available connectors: HDMI, RJ45, USB, WIFI, TF card and SIM card.

The Rockchip RK3568 with **Quad-Core Cortex A72 + Quad-Core Cortex A53**, 4GB RAM memory, 32GB eMMC storage is equipped with Android 14 and suitable for a wide range of applications, while still being cost-effective in the market.

It is the perfect choice for a wide variety of applications, including industrial automation, control panels, POS systems and digital signage, with easily switchable front-kits to ensure longevity.



Legend / Notes	
Applicable to version 1	(v1)
Applicable to version 2	(v2)
Applicable to all Versions	None



Product name				Rockchip 3576 small back kit			
Model number / EAN number				IPCBARK3576			
Global Article Code	European Article Code	Release date (D/M/Y)	Version*	Global Article Code	European Article Code	Release date (D/M/Y)	Version*
TBD	-	01/06/2025	v1				

System Specifications	
CPU	RK3576: Quad-Core Cortex A72 + Quad-Core Cortex A53
GPU	Mali G52 MC3
NPU	6.0Tops
Memory	4GB - LPDDR4
Storage	32GB - eMMC
Wi-Fi + Bluetooth	2.4GHz + 5GHz + Bluetooth
Ethernet / LAN	100M RJ45
Supported OS	Android 14

Technical & Graphics Specifications	
eDP	VCC 3.3V/5V, max resolution up to 1080@60Hz
LVDS	VCC 3.3V/ 5V/ 12V ,max resolution up to 1080@60H
HDMI	Support HDMI 2.0 display interface output by 4K@60Hz
USB	USB 2.0, USB 3.0 OTG
Speaker	2x 8Ω1.5W
Audio-Out	Audio out x1 (Headphone 3.5mm)
TF Card / Sim Card	1 / 1

Power	
Power Supply	100-240V ACDC active switching; 12V DC-Out
Working Power (V)	12V
Power Consumption (W)	TBD
Stand-By Consumption (W)	<1

IP Rating
IP40 (if combined with faytech front-kit)

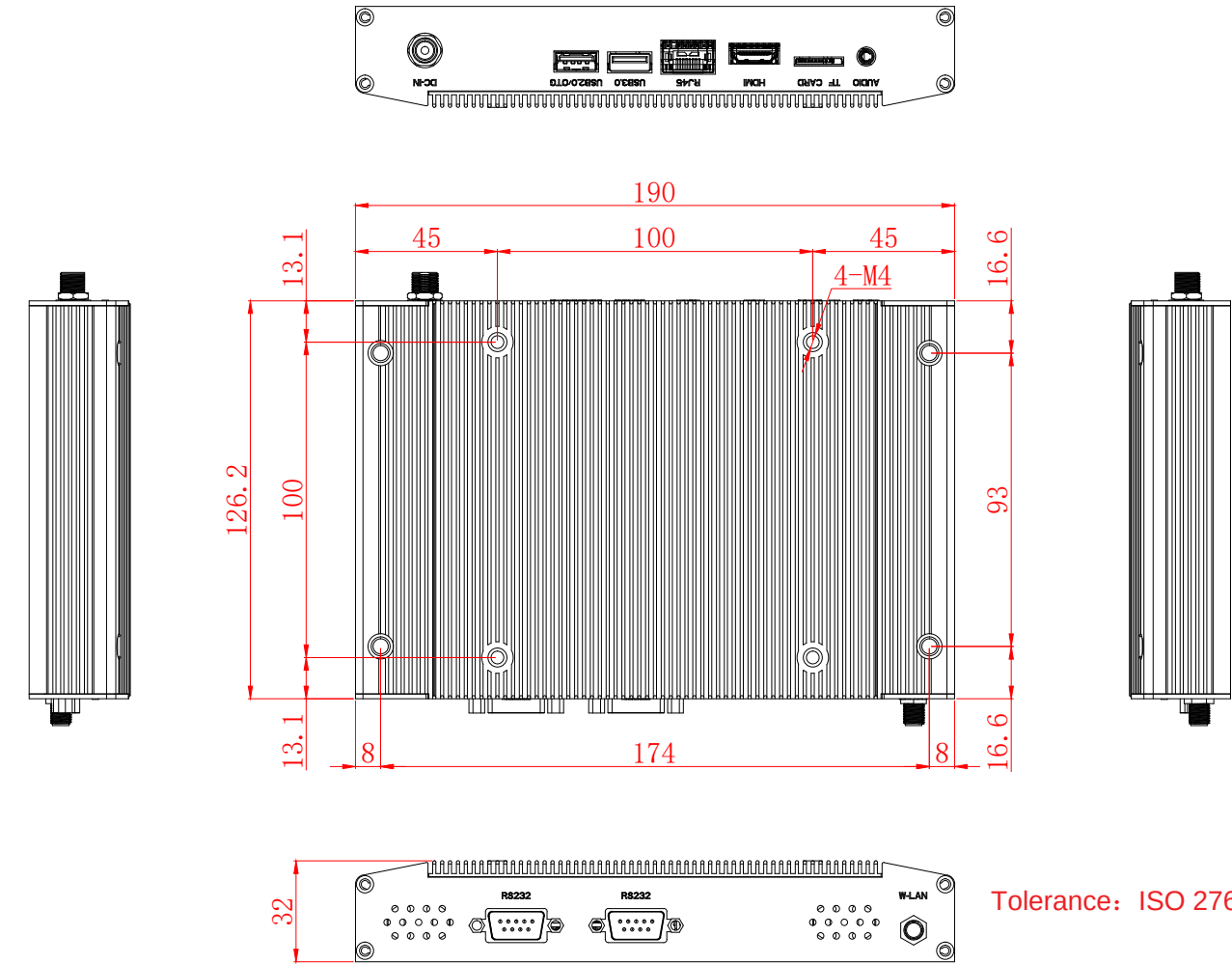
Environmental & Power & ME	
Battery	Lithium Battery
Power Requirement	12V DC-In
Operating Temperature	-10 ~ +60 °C
Storage Temperature	-20 ~ +60 °C
Operating Humidity (RH)	10% - 90%
Certification	CE & FCC (Class A)

Chassis & Housing	
Net weight (kg)	~1.80 est.
Gross weight (kg)	~2.60 est. (incl. cartonage)
Housing material	Aluminum case
Housing (mm) L × W × H	190.0 × 126.2 × 32.0
Mounting	VESA 100

External Connectors	
1x 12V DC-In (screwable)	1x HDMI 2.0
1x 10/100Mbit RJ45 Port	1x USB 3.0
1x USB 2.0	1x Audio out
2x COM DSUB (RS232)	1x Wi-Fi Antenna (screwable)

Connector - front-kit assembly
Various pin connectors with converter for front- / back-kit assembly (see separate pdf sheet)

Included in the Delivery	
Power Supply (see Power section)	
W-LAN Antenna (RP-SMA female)	
Short Installation Manual	



Tolerance: ISO 2768-1c

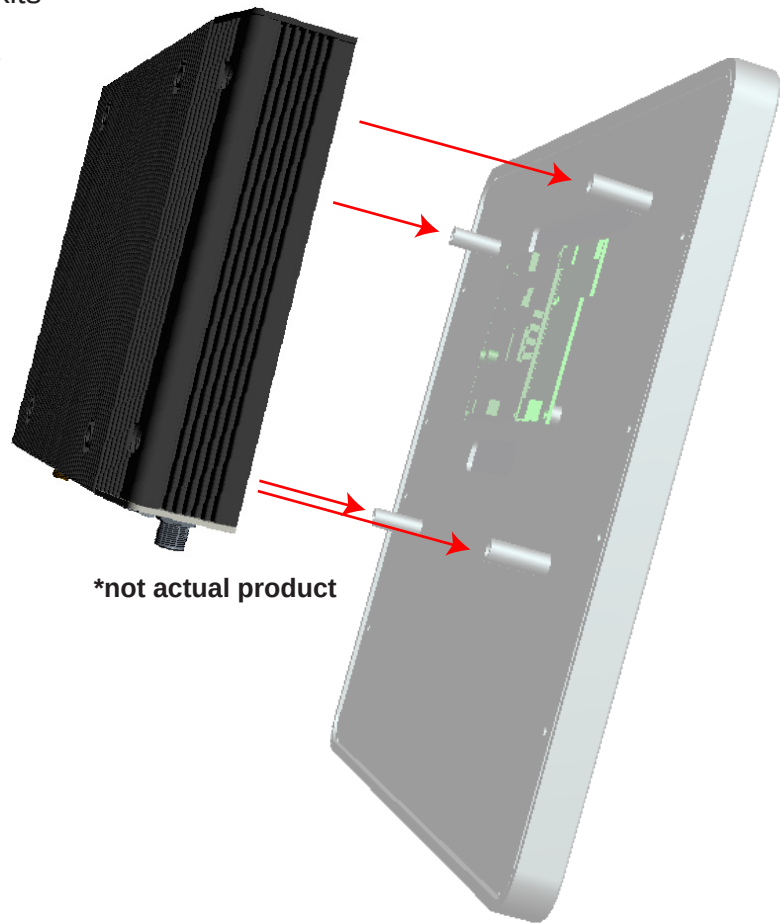
Front- & Back-kit concept:

Pre-assembled (together) or separately packaged available

Easily replace or switch back- or front-kits

Connected through various connectors

Assembly to be done by a professional



Update Notes:

Version:

v1

-

Changes:

First version

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