POINT Mobile

TR54

RUGGED AND MODULAR TABLET DESIGNED FOR ENTERPRISE MOBILITY

Enterprise-Grade Performance & Power

The TR54 is engineered to meet the demanding requirements of frontline operations. It runs on Android 15 and is upgradeable to Android 18, ensuring long-term software support and access to the latest enterprise features. With 8GB RAM and 128GB UFS storage, the TR54 delivers smooth multitasking and high-speed performance for intensive enterprise applications. The high-performance processor enables seamless execution of real-time data capture, inspection, and asset tracking tasks. 8,000mAh hot-swappable battery minimizes downtime during shift changes in logistics, manufacturing, and field service environments.

Advanced Connectivity for Every Environment

To support uninterrupted workflows, the TR54 is equipped with Wi-Fi 6E, Bluetooth 5.2, and optional LTE connectivity. These technologies enable fast, stable wireless communication across various environments—from indoor facilities such as hospitals and warehouses to remote or mobile job sites—ensuring real-time access to systems and data.

Flexible Scanning & Input Options

Designed to accommodate a variety of workflows, the TR54 offers optional 2D scanners with straight or 45° downward angles, enhancing usability and scanning efficiency in different operational setups. Its glove-compatible touchscreen allows for smooth input even in industrial or clinical environments, supporting rapid barcode scanning and data entry in fast-paced settings.

Built Tough with Enterprise Versatility

Built for durability, the TR54 is IP65-rated for water and dust resistance and tested to withstand drops, vibration, and daily wear in harsh environments. A comprehensive lineup of accessories—including hand straps, docking stations, expansion modules, and vehicle mounts—ensures seamless integration into workflows across industries such as healthcare, warehousing, retail, and utilities.

Versatile In-Display NFC for Customer Engagement

The TR54 features integrated in-display NFC technology, empowering enterprises to deploy a wide range of customer-facing applications—from contactless SoftPOS tap-to-pay and secure badge authentication to loyalty program interactions. This built-in capability streamlines transactions and access control, delivering a frictionless experience across retail, hospitality, healthcare, and field operations.

Basic Package

1 x Terminal
1 x Power adaptor
1 x USB-C cable
2 x Power plugs (EU, UK type)
1 x LCD protect film

Accessories (Optional)

Boot case with rotating hand strap
Single slot charging cradle
5-slot charging cradle
Shoulder strap
Stylus pen
2 x Hand grips

OCTA CORE 2.2 GHz	ANDROID 15	RAM/FLASH 8 GB/128 GB	microSD 1 TB	10.95" FHD+ 1920x1200	8,000 mAh	Wi-Fi 6E	8 MP front 13 MP rear	1.55 m/5.1 ft. Rugged boot	IP65

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TR54

PERFORMANCE CHARACTERISTICS

Main processor	Octa-core @ 2.2 GHz

Operating system

Google Android (GMS)	Android 15 FOTA (Firmware Over The Air) update

Memory and storage

RAM / FLASH	8 GB / 128 GB (UFS)
micro SD	Supports up to 1 TB using ExFAT file system
SIM	1 x nano SIM, 1 x eSIM

Sensor	Proximity, Light ambient, Accelerometer, Gyro, Digital compass

PHYSICAL CHARACTERISTICS

Dimensions	272.9 x 175.2 x 11.7 mm * 10.7 x 6.9 x 0.5 in. *

Display	10.95" (1920 x 1200 pixels), IPS Daylight readable (typical 500 nits at max.) LED backlight Wideviewing angle

Power

Main battery	8,000 mAh, Removable, Hard-pack
Back-up battery	100 mAh, 3.7 V, 10C (Hot swap)
Adapter	PD 3.0 AC Input: 100~240 V, 50~60 Hz DC Output: 20 W

Keys & Buttons	Volume ±, Power, Two scan buttons (scanner SKU)

Voice & Audio	2 x microphone 2 x speaker (Smart PA, 1W)

Connectors

Docking station	6 pins
Rear POGO	8 pins (on the battery compartment)
USB type-C port	2

Notification	2 x dual LED (Power: R/G, Warning: R/B)

GLOBAL NAVIGATION SATELLITE SYSTEM

WLAN SKU	No GNSS
WWAN SKU	GNSS receiver fo GPS, GLONASS, Galileo and Beidou

WIRELESS

Wireless WAN (optional)

LTE	B1/2/3/4/5/7/8/12/13/17/19/20/25/26/28 38/40/41
3G	B1/2/4/5/6/8/19

Wireless LAN

Radio	IEEE 802.11 a/b/g/n/ac/ax/d/h/i/k/r/v, Wi-Fi 6E, Wi-Fi Direct, Hot spot support
Data rates	6 GHz: 802.11 ax: Up to 867 Mbps 5 GHz: 802.11 a/n/ac/ax: Up to 867 Mbps 2.4 GHz: 802.11 b/g/n/ax: Up to 143 Mbps
Operating channels	1 to 13 (2412~2472 MHz) 36 to 165 (5180~5825 MHz) 1 to 233 (5955~7115 MHz)

Channel bandwidth	20, 40, 80, 160 MHz
Security and encryption	WEP / WPA / WPA2 / WEP, RC4 Algorithm / TKIP, RC4 Algorithm / AES, Rijndael Algorithm, EAP-FAST / EAP-TLS / EAP-TTLS / PEAP-GTC / PEAP-MSCHAPv2 / WPA3 Personal / WPA3 Enterpriase / Enhanced Open (OWE)
Fast roam	802.11 r

Wirelss PAN

Bluetooth	Bluetooth Class I, Ver. 5.2, BLE support

DATA CAPTURE

Integrated scan engine (optional)

Scan engine (optional)	Supporting1D/2D symbologies
Scan engine mount angle	0° or 45° (optional)

Camera

Front	8 MP, Fixed focus, F2.0
Rear	13 MP PDAF, LED flash, F2.0

NFC

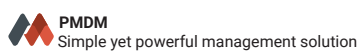|	
Reader (PCD)	NFC Forum tag types 2 to 5 ISO/IEC 14443A / 14443 B / 15693 Mifare Classic 1K/4K DESFire Mifare UltraLight Sony FeliCa

USER ENVIRONMENT

Operating temperature	-20 °C to 50 °C or 55 °C ** -4 °F to 122 °F or 131 °F **
Storage temperature	-40 °C to 70 °C -40 °F to 158 °F
Humidity	95% non-condensing
Drop	MIL-STD-810H 1.2 m (4 ft.) to concrete and 1.55 m (5.1 ft.) to concrete with rugged boot, across the temperature range from -20 °C to 50 °C (-4 °F to 122 °F)
Mini drops	1,000 times from 0.2 m to wooden floor
Rain/dust proof (sealing)	IP65
Electrostatic discharge	± 15 kV air discharge ± 8 kV contact discharge

REGULATORY APPROVALS AND COMPLIANCE

RCM, CE, CB, UKCA, KC, FCC, NRCan, NBTC, WEEE, REACH, RoHS, Telec, Jate

ENTERPRISE SOLUTION

PMDM
Simple yet powerful management solution

PMDM (Point Mobile MDM) is a mobile device management solution for managing and monitoring your Point Mobile Android devices.

Centralized management of enterprise devices is vital for better productivity. You should provide a device configuration so that the workers can concentrate on their work with the device, and reduce device downtime by enabling predictive maintenance for battery replacement.

EmKiosk
Enterprise Management Tool

Makes it easy to create single-purpose devices. You can improve workforce productivity and control user's access boundaries – Restricts device usage to authorized applications only, ensuring controlled access.

PULS – ANDROID UPDATE & SECURITY

PULS is a Point Mobile's lifetime solution, which provides the Android-based Point Mobile enterprise devices with security patches for up to three years after a product launch.

PULS
Patches, Updates & Lifetime Support

Stay up-to-date with the latest security updates for up to 3 years.
Conveniently update your devices in the field by FOTA.

For further information, please visit www.pointmobile.com or contact your regional sales representative.

WARRANTY

Subject to the Terms and Conditions, TR54 carries 1 (one) year-warranty period from the date of purchase against the defective materials and manufacturing defects.

For further inquiries, please leave your message here:
https://pointmobile.com/en/contact/inquiry.php.

ACCESSORIES (optional)

Boot case with rotating hand strap, Single slot charging cradle, 5-slot charging cradle, Shoulder strap, Stylus pen, 2 x hand grips

* Listed dimensions only apply to the no-scanner SKU configuration.
** Maximum operating temperature varies by SKU.