

Y1000 PRODUCT DATASHEET

SOFTWARE

OS: Android 13

Supports 3rd-party apps

Updates via OTA

HARDWARE

CPU: Quad core Cortex-A53 (ARM v8) 64-bit SoC @ 1.8GHz

RAM: 4GB

Storage: 32GB

DISPLAY

Screen size: 8 inch (diagonal)

Screen thickness: 4 mm

Screen aspect ratio: 4:3

Wide viewing angle $\pm 85^\circ$

Screen Coating: F2R Special Coating

Display Resolution: 768x1024 pixel

Touch: Capacitive touch (Gloves compatibility)

Backlight: LED (2500 nits)

POWER

Internal Battery: No

Input Voltage: 12-30V DC

F2R Power Management system

CONNECTIVITY

Dual Band WiFi5, 2.4GHz & 5GHz

Bluetooth 5.0

COMMUNICATION

Internal Speakers: No (can be paired via Bluetooth)

Internal Microphone: No (can be paired via Bluetooth)

GNSS

GNSS: Internal (GPS, Galileo, Glonass, and Beidou)

Refresh rate: up to 25Hz

CEP (Circular error probability): Less than 1 meter

SENSORS

Voltmeter & Temperature Sensors

Accelerometer, ECompass, Gyroscope



OTHER PHYSICAL CHARACTERISTICS

Set Weight: 1304g | 2,87lbs

Chassis Weight: 1191g | 2,62lbs

Gamma Box Weight: 113g | 0,25lbs

Dimensions: 210 x 160 x 37mm | 8,3 x 6,3 x 1,5 inches (L x W x D)

Chassis: Full Aluminium CNC

Detachable Android computer from display chassis

2 point + 2 screw fixing system

BUTTONS AND PORTS

Cable for F2R Digital Remote (and other accessories)

Socket for Buzzer

Main switch

Home button

Dimmer button (Brightness adjustment/Touch screen lock/Standby option)

ENVIRONMENT

Sealing: IP68 (with M8 caps or accessories connected)

PRE-LOADED APPS

F2R Roadbook App (Y1000 exclusive)

My Gamma App (Y1000 exclusive)

Play Store

OPTIONAL ACCESSORIES

F2R Y1007 - Y1000 Mounting Bracket

F2R DR001 - Digital Remote Control

F2R BZ001 - Buzzer

WARRANTY

Subject to the terms of F2R, the Y1000 is warranted against defects in workmanship and materials for a period of 3 years from the date of the first use.