

TC605

6" Qualcomm® QCM4490 Rugged Handheld Computer



KEY FEATURES

- 6" 1080 x 2160 Panel with PCAP Touch
- Android 14 OS Rugged PDA for Field Mobility
- Qualcomm® QCM4490, Octa-Core, up to 2.4GHz
- IP68 waterproof and dustproof
- Optional WWAN 4G and 5G
- Optional Barcode Reader (0° Scan Angle or 60° Scan Angle)

INTRODUCTION

The Winmate TC605 is a small, tough 6-inch handheld computer. It runs on Android and is made for today's industrial and edge workflows. The Qualcomm® QCM4490 octa-core processor powers this device. It provides reliable performance for data visualization, real-time tasks, and productivity on the go. The new design offers two scan-angle options. Users can choose a 0° or 60° scanner head. This improves comfort and flexibility when scanning barcodes and looking at on-screen information.

SPECIFICATIONS

Display			
Bonding	Optical Bonding for Sunlight Viewability	Resolution	1080x2160
Size	6.0 inches	Panel Brightness	600.0 nits
Type	Projected Capacitive Multi Touch		
System Specification			
Processor	Qualcomm® QCM4490, Octa-Core, up to 2.4GHz	Memory	6GB
Storage	128GB	Operating System	Android 14.0
WLAN	Support	BT	Support
WWAN	4G/5G (Optional)	GNSS	GPS/GLONASS
RFID	NFC (Read / Write, Peer to Peer mode)	Sensors	Ambient Light Sensor, E-Compass, Gyro, Acceleration Sensors, Proximity Sensor
Camera			
Front Camera	8MP Camera	Rear Camera	16MP Camera with LED Auxiliary Light (Auto Focus)
Mechanical			
Dimension	167.7 x 78.9 x 15.8 mm	Weight	280g
IO Ports			
USB Port	1 x USB 3.1 Type C OTG (support charging)	SD Card Slot	1 x Micro SD Card Slot
SIM Card Slot	2 x Nano SIM Card Slot	Audio	2 x Built-in Mic 1 x Speaker 1 x Receiver
Indicator	1 x LED Indicator	Docking Connector	1 x Docking Connector

Environment

Operating Humidity	5% to 95% RH, Non-Condensing	Operating Temperature	-20°C to 50°C
Storage Temperature	-40°C to 60°C	Shock	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I	IP rating	IP68
Drop	MIL-STD-810H Method 516.8, 6 ft		

Certification

Certification	CE, FCC, NCC, BSMI, TELEC, VCCI, JATE, BQB, RCM
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Control

Button	1 x Volume +/-, 1 x Power Button, 2 x Barcode Button, 1 x Function Button
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Power

Battery	3.7V 5000mAh Hotswappable Function (Optional)	Battery Operating Time	15Hr
Power Rating	9V	Adapter	PD adapter (Optional)

Security Function

SOTI MobiControl	SOTI MobiControl Compliance
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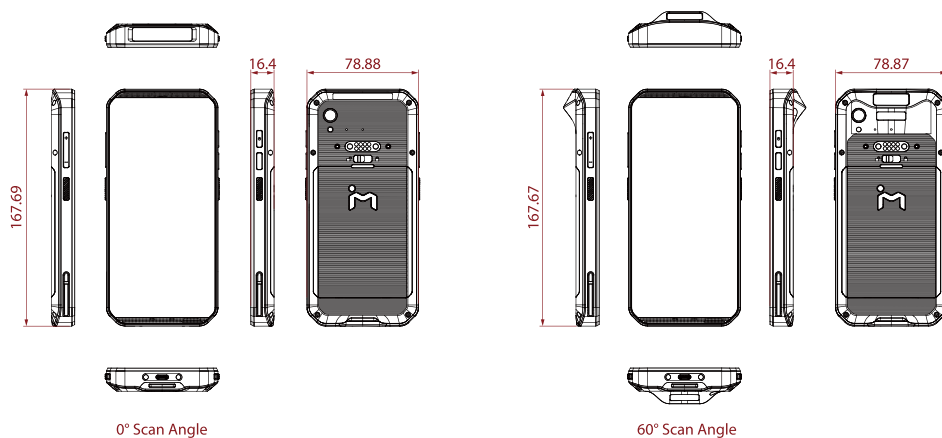
Accessory

Accessory	Battery USB Type-C Cable	Optional Accessory	Universal Adapter Screen Protector Rugged Protective Boots Hand Strap Shoulder Strap Soft Holster Pistol Grip Multi-Slot Cradle
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Barcode Scanner

Barcode Scanner	1D/2D Barcode Reader Standard range(Default) / Long range(Optional) 60° (Default) / 0° (Optional)
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DIMENSIONS UNIT:MM



NOTE

- 1.This is a simplified drawing and some components are not marked in detail.
- 2.Please contact our sales representative if you need further product information.
- 3.All specifications are subject to change without prior notice.
- 4.The product shown in this datasheet is a standard model.For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.