Industrial Tablet (10-inch)

L1040 / L1045 Series

Main applications

- Logistics management

- Table ordering

- Mobile POS/Cart tablet

- Medical

Key Features

- 10" industrial tablet, Developed inside-out for business use
- Brilliant display for any environment - ISP 1280*800 capacitive touch panel
- Support dual display system to increase productivity
- Extended Flexible I/O- DC in and HDMI or RJ45 LAN and RS232 (DE9)
- Enhanced connectivity 4G LTE, WiFi, Bluetooth and etc..
- Leading data capture- best-in-class 1D/2D barcode imager (Honeywell)
- Precise GNSS Positioning
- Spare battery for hot-swap feature
- Powerful platform, 64-bit 1.8GHz Octa-core, Android 9.0

Design ID – 6 views

273

BCR   Power key

Front cam

Rear cam   Speaker

182.5

MioWORK

Mic

Mic   Battery cover   Latch   Rubber pad

18.9

Pogo pin

UNIT : MM

Pogo-pin connector

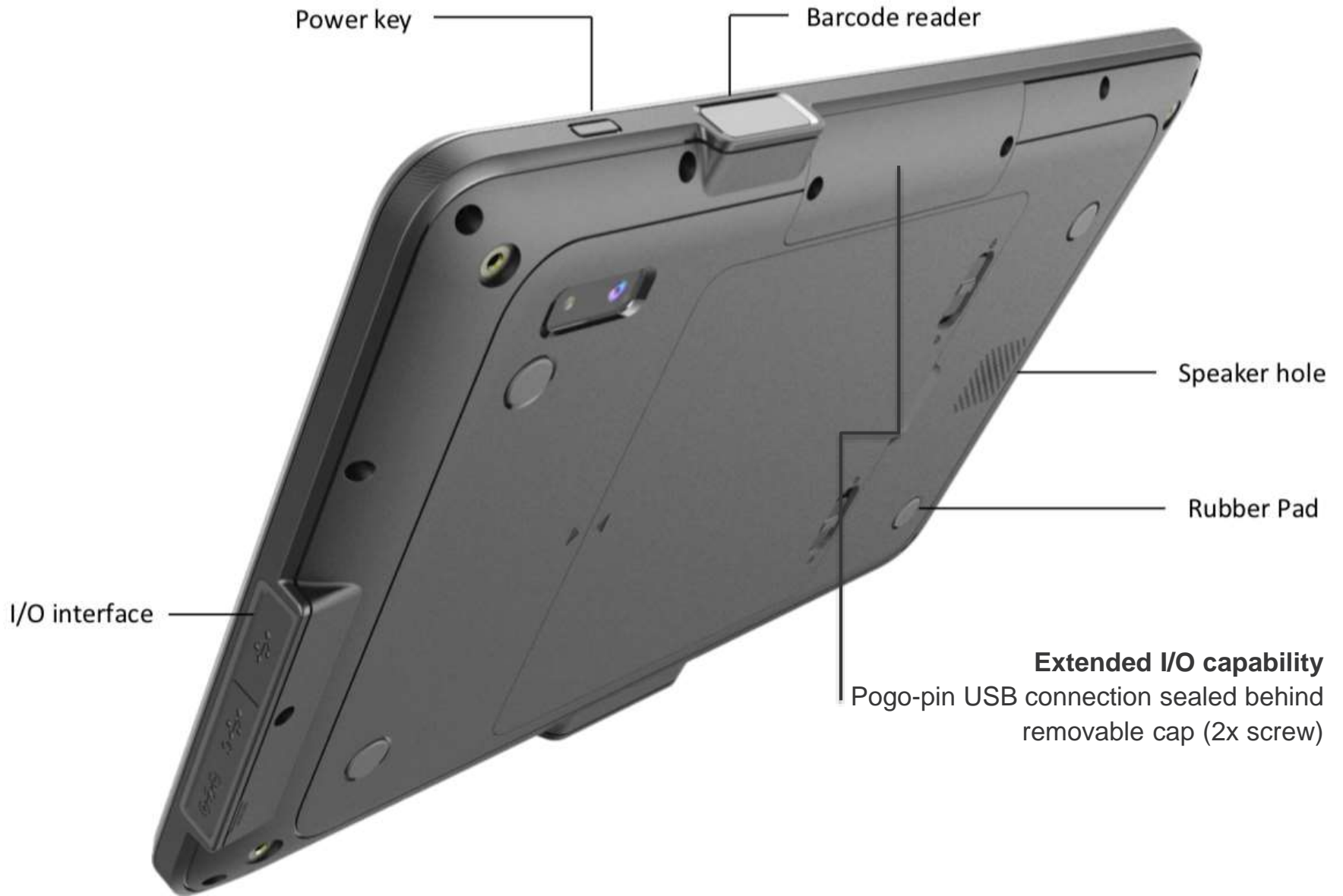Docking guiding hole

Slim Profile + handheld experience

Thickness separation / 3D texture for handheld

MiTAC

MITAC DIGITAL TECHNOLOGY CORP.

Power key

Barcode reader

Speaker hole

Rubber Pad

I/O interface

Extended I/O capability
Pogo-pin USB connection sealed behind
removable cap (2x screw)

MiTAC
MITAC DIGITAL TECHNOLOGY CORP.

Easy & reliable open battery cover

easy to open / releasing vacuum latch structure (under development) / clean features

MiTAC

MITAC DIGITAL TECHNOLOGY CORP.

L104x Series: Highlights

Powerful platform

- 1.8GHz Octa-core (64-bit, A53 Cortex Qualcomm)
- 3.27x faster performance compared to A500/F700 Series
- 4GB eMMC (expandable via micro SD card)
- Android 9.0 (Pie) with or without GMS (TBC)

Ruggedized familiarity

- Consumerized design but professionally ruggedized
- IP67-sealed housing with antimicrobial properties
- Up to 1.5m drop-resistant with protective bumpers (MIL-STD-810G)

Brilliant Display with enterprise-grade toughness

- 10.1-inch 1280x800. Glove & Wet enabled
- Toughened Dragontrail™ glass
- 600nits with optical bonding and anti-glare treatment for improved visibility under harsh conditions

MiTAC DIGITAL TECHNOLOGY CORP.

L104x Series: Highlights

Leading data capture

- 1D/2D Honeywell N6603 BCR (Slim Type Laser Aimer)

- White illumination enhances scan speed

- Easily scans poorly printed or damaged barcodes

- Full symbology support (including colour barcodes)

- Integrated NFC / HF-RFID

- Cameras: Rear: 8MP AF LED Flash / Front: 8MP AF

Symbology	Standard Range (Typical)		Extended Range (Typical)	
	Start (mm/[in])	Stop (mm/[in])	Start (mm/[in])	Stop (mm/[in])
C39 5mil	64 [2.5]	163 [6.4]	96.5 [3.8]	283 [11.1]
C39 10mil	28 [1.1]	338 [13.3]	72 [2.8]	551 [21.7]
UPC-A 13mil	46 [1.8]	419 [16.5]	51 [2.0]	559 [22.0]
C39 20mil	–	–	56 [2.2]	819 [32.2]
PDF 417 6.7mil	46 [1.8]	185 [7.3]	127 [5.0]	232 [9.1]
QR 20mil	–	–	45 [1.8]	516 [20.3]
DM 10mil	53 [2.1]	203 [8.0]	120 [4.7]	282 [11.1]

[1] Barcode quality and environmental conditions may affect performance.

Enhanced Connectivity

- Dual-band WLAN IEEE 802.11 a/b/g/n/ac (supports 802.11r/d/h/w/i)

- Bluetooth 4.2 BLE Class 2

- 4G / LTE Cat 6 (300M DL, 40M UL)

- Dual Satellite system: GPS (+AGPS), GLONASS

MiTAC
MITAC DIGITAL TECHNOLOGY CORP.

L104x Series: Highlights

Continuous operation

- Power efficient 14nm CPU

- 5500mAh L-ion Polymer battery supporting hot-swap function

- Up to 8 hour of continuous use

- Spare battery charging slot in charging cradle

Designed for Healthcare

- Antimicrobial housing for excellent infection control

- Compatible with Latex surgical gloves

- 100x200 VESA mount compatible for versatile mounting options

- Professional Honeywell BCR for most demanding scanning surfaces:

  - Curved vials/syringes
  - Bulk wrapping
  - Patient ID-tag
  - IV-bags

L104x Series: Highlights

Extended flexible I/O

- USB Type C 3.0 (5 Gb/s) for OTG with power output 5V/1A- client/host mode

- Type A USB 2.0 (488 Mb/s) with power output 5V/1A-host mode

- Cradle pogo-pin connection for added durability

- Reserved slot for extended interfaces*:

  Option A: DC in and HDMI

  Option B: RJ45 LAN and RS232 (DE9)

VESA 200x100 compatible

- Out-of-sight cable management

- No need for addition investment in a separate cradle / mounting bracket

- Ideal for fixed location use in retail, hospitality, hospital etc.

Option B
HDMI video output / input
DC Jack power input

Option A
RS232 interface
RJ45 LAN port

Original

MiTAC

MITAC DIGITAL TECHNOLOGY CORP.

L104x Series: Docking Station

- Type A USB 2.0 x2, host mode (power output 5V/0.5A, each port)
    - RJ45 LAN port x1
    - DC-in jack x1
    - LED indicator x1 (docking power, Green).
- Liquid drainage feature
- Spare battery charging slot

Tablet docking tilt angle

20°

MiTAC

MITAC DIGITAL TECHNOLOGY CORP.

L104x Series: Accessories

Protection Cap

1.5m drop-resistant following MIL-STD-810G

Easy Installation
One screw for one corner cap

- Rubber
- Plastic

Hand Strap / Shoulder Strap

- Fixing screw
- Holes for fastening rope
- Fixing hole

Compatible with Hand/Neck Strap
One screw for two strap and one corner cap

MiTAC
MITAC DIGITAL TECHNOLOGY CORP.

Data peripheral connectivity

Bluetooth 4.2 data profile

- Serial port profile SPP
- Personal Area Network User (PANU)
- Object push profile (OPP)
- Mobile payment
- Bar code scanning

Cable

- USB cable
  - Transfer data from PC
  - ADB commend line
- USB Ethernet dongle
  - connect multiple external cams

Internet connectivity

- WiFi station mode
- WiFi Direct (Ad-hoc) mode
- Wireless printing
- Camera content control

Near field communication

- NFC supports MiFare, Felica
- RFID(HF): ISO 14443 A & B, ISO 15693 standards
- Support modes: Reader Mode, peer-to-peer.
- Content transfer authentication
- Driver log-in
- Lock/unlock device

LTE real-time telecommunication

- Supporting LTE Cat6,
- Real-time rich content transfer

BLUETOOTH

WiFi

CABLE

NFC

4G LTE

MiTAC

MITAC DIGITAL TECHNOLOGY CORP.

L1040 / L1045: Specifications

	L135 (current gen)	L1040/L1045 (next gen)
CPU	TI OMAP 4470 Dual core 1.5GHz	Qualcomm SDM450 Octa core 1.8GHz
OS	Android 5.1	Android 9.0 (GMS TBC)
Display	10.1", 1280x800 pixels, color ISP, 600 nits, glove touch support	10.1", 1280x800 IPS, 600 nits, optical bonding, glove touch support
Memory	1GB Mobile DDR	4GB Mobile DDR3L
Storage	16GB	32GB
Durability	IP67 sealed, 1.2m drop resistant to plywood	IP67 sealed, 1.0m (1.5m incl. protective caps) drop resistant (MIL-STD-810G)
Wi-Fi	IEEE 802.11 a/b/g/n, 2.4 & 5GHz	IEEE 802.11 a/b/g/n/ac, 2.4 & 5GHz
Battery	6720mAh, hot swappable	5500mAh, hot swappable
Cameras / BCR	Rear: 5MP AF LED Flash ; Front: 1.2MP FF	Rear: 8MP AF LED Flash ; Front: 8MP AF
Mounting	-	100 x200 mm VESA Mounting
Bar code reader	Code 1D/2D LED BCR	Honeywell N6603 BCR (1D/2D Laser Aimer)
USB ports	1x Micro-USB (client), 1x USB 2.0 Type A (host)	1x USB3.0 Type-C (host/client), 1x USB 2.0 type A (host)
Card Slot	1x MicroSD Card (SDHC), 1x Micro SIM Slot	
Other Comm.	Bluetooth® 4.0, NFC & 3G	Bluetooth® 4.2 BLE, NFC & LTE
Sensors	Accelerometer, eCompass and ambient light sensor	Gyro/Accelerometer/Proximity/Ambient Light/eCompass/Barometer

MiTAC
MITAC DIGITAL TECHNOLOGY CORP.