



Simplifying Diagnostics

More power. Same simplicity.

# Introducing the new MESI mTABLET

The MESI mTABLET has always been the heart of our diagnostic system – the same trusted platform you rely on, now faster and more powerful than ever. Fully compatible with all existing modules, it keeps your workflow running smoothly while giving you even more efficiency and performance.

## Faster performance

## Better usability

## Greater versatility



**More memory & faster processor**



**High-resolution camera with flash**



**Wider Wi-Fi coverage**



**Replaceable back clip**



**Better ingress protection (IP42)**



**Bluetooth barcode scanner support**



Faster performance, even with multiple modules and apps



Clearer wound and dermatology images, even in lower light



Reliable performance in clinics and hospitals



Quick on-site replacement to reduce downtime



Designed for daily use in challenging clinical environments, even in the field



Faster and safer patient identification



## SEAMLESS CONTINUITY

**Built for the future, without leaving the past behind.**

- Existing MESI mTABLET systems remain fully supported – with a simple upgrade path available.
- The new mTABLET is fully compatible with all current MESI diagnostic modules and applications.



# MESI mTABLET Technical Specifications

## Dimensions

Width: 199 mm  
Depth: 35 mm  
Height: 278 mm  
Weight: 800 g

## Power & Battery

AC/DC adaptor: NEO030.0-I-X-05  
Rechargeable Lithium-Polymer battery  
Capacity: 8800 mAh  
Battery operation: More than 8 hours  
Input: 100-240 V AC / 50-60 Hz / 600-300 mA  
Output: 5V DC / 5.0 A

## Classification

Protection against electric shock: Class II equipment  
Software safety classification: Class B

## LED indications MTABDSW

Green LED: Displays connection state (fixed light)  
Orange LED: Represents LAN activity

## LED indications MTABMD

Green LED: Device is charging  
Red LED: Device battery is low  
White LED (Blinking): Device is starting

## LED indications power supply

Green LED: Power "ON"

## Specifications

Operating System: MESI OS 2.0 (based on Android OS)  
Processor: 64-bit ARM v8.0 processor (octa-core)  
Barcode reader: 1D/2D barcode imager  
Screen: 1280 x 800 px IPS  
Memory: 64 GB eMMC  
RAM: 4GB  
Connectivity: 2.4 & 5 GHz, 802.11a/b/g/n/ac/ax-ready  
Camera: 20 MP with strobe  
Environment: IP42, 90 cm drop resistant  
Audio: Mono speaker  
Security: 2 step authentication - User password or PIN, SMS verification code HTTPS transmission protocol

## Connectivity-Bluetooth

### Receiving station:

Frequency range: 2402 MHz - 2480 MHz  
Bandwidth: 1 MHz

### Transmitter:

Output power: 8 - 10 dBm  
Frequency range: 2402 MHz - 2480 MHz  
Modulation: GFSK

## Connectivity-Wi-Fi

### Receiving station:

Frequency range: 2.4 & 5 GHz, 802.11a/ b/ g/ n/ ac  
Bandwidth: 1.4/ 3/ 5/ 10/ 15/ 20 MHz

### Transmitter:

Output power: 20-27 dBm  
Frequency range: 2.4 & 5 GHz, 802.11a/ b/ g/ n/ ac  
Modulation: OFDM, DSSS

## Operating Conditions

Ambient temperature: +10 °C to 35 °C  
Relative humidity: 15% to 90%, non-condensing  
Atmospheric pressure: 700 hPa to 1060 hPa

## Transport & Storage Conditions

Temperature:  
-20 °C to 60 °C (<1 month)  
-20 °C to 45 °C (<3 month)  
-20 °C to 25 °C (<12 month)  
Relative humidity: 15 to 90 % (no condensation)  
Air pressure: 500 to 1060 hPa

