

## Datasheet

# Elevate Your Hospitality Experience: An Integrated Solution for Enhanced Processing and Seamless Payments





## Purpose-Built for Hospitality Solution

The [Infinity Series](#) is a cutting-edge line of customized mobile device solutions designed to change your business' technology experience. With a focus on performance, durability, and versatility, the Infinity Series offers a range of devices tailored to meet the needs of modern businesses. From rugged tablets built to withstand harsh environments to sleek smartphones optimized for productivity, the Infinity Series delivers exceptional quality and reliability.

This [solution](#) brings together device protection, data and application processing, payment, and wireless charging into a single, affordable, all-in-one solution, giving workers anytime and anywhere access to the resources they need.

MTech's Infinity Series mPOS 8" Android Solution is built on the foundation of Samsung's Tab Active5 combined with the Ingenico Moby 5500 and proprietary power management technology from MTech Mobility.



## Datasheet

# Samsung Galaxy Tab Active5



|                                 |   |
|---------------------------------|---|
| <b>Color</b>                    | Dark Green  |
| <b>Display</b>                  | 8.0", 16:10, WUXGA, TFT, up to 120Hz, Touch Sensitivity   |
| <b>OS</b>                       | Android 14 + 4 OS upgrades  |
| <b>Dimensions</b>               | 4.99" x 8.42" x 0.40"   |
| <b>Weight</b>                   | 0.95 lb.  |
| <b>GPS</b>                      | GPS, GLONASS, Galileo, BeiDou, QZSS   |
| <b>Memory and Storage</b>       | 6GB (RAM) + 128GB Additional storage capacity of up to 1TB with an external SD card   |
| <b>Processor</b>                | Samsung Exynos 1380, 5nm Octa-core  |
| <b>Battery</b>                  | Li-Po 5,050mAh, removable   |
| <b>Connectivity</b>             | 5G, LTE, Wi-Fi 6 (802.11 a / b / g / n / ac / ax), Wi-Fi Direct, Bluetooth v5.3, NFC  |
| <b>SIM</b>                      | Dual SIM (SIM + embedded SIM)   |
| <b>Interface</b>                | Type-C USB 2.0, pogo pin, 3.5mm earphone jack, microSD  |
| <b>Sensor</b>                   | Accelerometer, Geomagnetic, Gyro, Light, Proximity, Hall  |
| <b>Camera (Rear)</b>            | 13MP Wide F1.9, flash   |
| <b>Camera (Front)</b>           | 5MP F2.2  |
| <b>Ruggedized Durability</b>    | IP68, MIL-STD-810H, Corning® Gorilla® Glass 5   |
| <b>Security</b>                 | Samsung Knox with Samsung Knox Vault  |
| <b>Biometric Authentication</b> | Face Recognition, Fingerprint   |
| <b>Programmable Key</b>         | Customization via Active Key  |
| <b>Wireless DeX</b>             | DeX can be activated via Samsung Galaxy Tab Active5 without a cable only on supported monitors.   |
| <b>RF Bands</b>                 | <b>3G UMTS:</b> B1 (2100), B2 (1900), B4 (AWS), B5 (850), B8 (900); <b>4G LTD FDD:</b> B1 (2100), B2 (1900), B3 (1800), B4 (AWS), B5 (850), B7 (2600), B8 (900), B12 (700), B13 (700), B14 (700), B20 (800), B25 (1900), B26 (850), B28 (700), B29 (700), B30 (2300), B66 (AWS-3), B71 (600); <b>4G LTE TDD:</b> B40 (2300), B41 (2500), B48 (3600); <b>5G Sub6 FDD:</b> N2 (1900), N5 (850), N12 (700), N25 (1900), N30 (2300), N66 (AWS-3), N71 (600); <b>5G Sub6 TDD:</b> N41 (2500), N48 (3500), N77 (3700), N78 (3500) |
| <b>Extensive Security</b>       | Up to 5 years of Security Maintenance Release   |

## Datasheet

# Ingenico 5500



|                                      |   |
|--------------------------------------|---|
| <b>Processor</b>                     | Cortex-M4 150 MHz   |
| <b>Supported OS</b>                  | Android, iOS and Windows  |
| <b>Card Readers</b>                  | Magstripe card reader Track 1/2/3<br>EMV chip reader & NFC reader with 4 LEDs   |
| <b>Displays</b>                      | LED lights for contactless, device, battery status and Bluetooth readiness  |
| <b>Encryption</b>                    | AES, TDES-DUKPT, RSA or On-Guard DATA key (SRED)<br>TR39 / PCI PIN 2.0 DATA & PIN certified key management<br>Remote key update service (Ingenico-hosted service)   |
| <b>Certifications &amp; Security</b> | FCC, CE, WEEE, EMV L1 & L2 Contract, EMV L1 Contactless, MasterCard Contactless 4.1.4, Visa payWave 2.2, Amex Express Pay 3.1, JCB J/Speedy 1.4, Discover D-PAS 1.0, CUP qUICS.<br>SCR Class<br>PCI PTS 6.x |
| <b>Terminal Connections</b>          | USB-C connector for charging & data connection<br>BTLE 4.2<br>Apple MFi for wire connection to iOS devices  |
| <b>Power Supply</b>                  | Via USB-C AB cable / PSU not provided   |
| <b>Battery</b>                       | 500 mAh Li-Ion - Rechargeable battery<br>Battery life: 400 contactless transaction, 500 EMV contact transactions, or 800 swipe transaction per charge   |
| <b>Dimensions L x W x H</b>          | 3.03 x 2.13 x 0.58" (77 x 54 x 14 mm)   |
| <b>Weight</b>                        | <2.47 oz (<70 g)  |
| <b>Lifetime</b>                      | 100k transactions on magstripe reader & smart card reader<br>3 years / 500 cycles for battery   |
| <b>Accessories</b>                   | Clip-on (optional)<br>Stand (optional)  |

## Datasheet

# MTech Infinity Series



|                    |  |
|--------------------|--|
| <b>Material</b>    | TPU + PC   |
| <b>Durability</b>  | Shock damping corners  |
|                    | Hybrid material provides cushioning and rigidity where it is needed most |
| <b>Surface</b>     | Non-slip coating   |
|                    | Easy to sanitize   |
| <b>Ease of use</b> | Fastener-free design   |

|                          |  |
|--------------------------|--|
| <b>Material</b>          | ABS  |
| <b>Weight</b>            | 695 g  |
| <b>Dimensions</b>        | 326.5 x 230.3 x 69 mm  |
| <b>Power</b>             | 100-240v 5amp Max 50/60hz<br>– power output: 5v a2 per slot –<br>40 watt max |
| <b>Expandable</b>        | Modular configuration  |
|                          | Can be linked to provide 8 charging bay from a single outlet.                |
| <b>Less downtime</b>     | Fast charging  |
|                          | Easy docking   |
| <b>Status indicators</b> | High visibility led indicators   |



|                          |   |
|--------------------------|---|
| <b>Material</b>          | ABS Housing, PVC cable                          |
| <b>Weight</b>            | 19 g  |
| <b>Dimensions</b>        | 50 x 40 x 12 mm                                 |
| <b>Key Features</b>      | Supports fast charging                          |
|                          | Supports a wide range of peripherals            |
|                          | Supports power and data transfer simultaneously |
| <b>Input ports</b>       | 1 Type-C female, full functional                |
|                          | 1 7 Pin PogoIn, 5-9V / 2A                       |
| <b>Output</b>            | 1 Type-C female, full functional                |
|                          | 1 Type-C female, 5V for card reader             |
| <b>Wireless charging</b> | Via built-in pogo pin pads                      |