

MoGo for Samsung Note 5

Durable. Modular. IoT Enabled. Cloud Connected.



The MoGo Smartcase extends the versatility and value of the Samsung Note 5 into new environments with its modular architecture for enterprise mobility applications. The Samsung Note 5 and the MoGo Smartcase form the perfect union of intelligent versatility and optimized power for the next generation of enterprise mobility customers.

Durability

MoGo provides the Samsung Note 5 with additional drop, shock, vibration, and moisture protective.

Longevity

MoGo adds an additional 3,000 mAh of battery capacity to the Samsung Note 5 and offers both wired and wireless charging options. MoGo electronics intelligently handle the charging of the Samsung Note 5.

Optimized UI

Many enterprise mobility applications require devices that operate in a simplified, appliance-like fashion in order to facilitate fast deployments and ensure consistent performance across a varied workforce.

Integration

A complete MoGo software development kit (SDK) streamlines the Windows 10 programming process and allows developers to quickly and easily develop secure mobile apps that are tightly integrated with enterprise infrastructure.

Modularity

MoGo's modular backcaps allow end users to easily add and remove readers, scanners, imagers, and sensors that are specific to the needs of the business.

Available Modular Accessories

Barcode Scanners - Barcode scanners may be added to capture critical information in retail or hospitality environments.

EMV Card Readers - EMV readers may be added to provide standards compliant mobile point of sale solutions.

Custom Accessories - MoGo's architecture is flexible, robust, and ever-expanding – with new peripherals being offered at the request of enterprise customers as required.

Enhanced Monitoring & Data Analytics

Real Time Data Capture - MoGo takes device management to a new level with the inclusion of a complete set of IoT (internet of things) sensors that continually gather and analyze critical data. Coupled with an enhanced, proactive service & support program and fully cloud-connected solution, the enterprise now has the unique ability to maximize uptime of their deployments in the field and capture real-time operational data to assure the achievement of their return on investment objectives.

MoGo for Samsung Note 5 Specs



Basecase

Modularity	Support for interchangeable backcaps
Dimensions	214 x 93 x 13 mm (8.42 x 3.66 x 0.51 in)
Weight	125 g (4.4 oz)
Ingress Protection Level	IP65
Drop Height	Mil-Std-810G, Method 516.6 (183 cm, 72 inches) with Optional Shock Case Mil-Std-810G, Method 516.6 (122 cm, 48 inches) without Optional Shock Case
Temperature Sensor - Range	-40 to +85°C (-40° to 185° F)
Temperature Sensor - Accuracy	±0.4°C (max), -10 to 85°C
Relative Humidity Sensor - Range	0 to 100%
Relative Humidity Sensor - Precision	± 3% RH (max), 0-80% RH
Acceleration Sensor - Range	+/- 2, 4, 8, 16 g
Acceleration Sensor - Data Rate	Up to 2 kHz (BW = 500 Hz)
Altitude Sensor - Range	10 to 1200 mbar
Altitude Sensor - Accuracy	4 mbar @ 25°C
Operating Temperature	Mil-Std-810G, Method 501.5 & 502.5, -20°C to +50°C, 48 hrs. @ extremes
Storage Temperature	Mil-Std-810G, Method 501.5 & 502.5, -40°C to 85°C, 48 hrs. @ extremes
Temperature Cycling	Mil-Std-810G, Method 503.5, -20°C to +50°C, >3°C/min., 100 cycles (150 hrs.)
Thermal Shock	Mil-Std-810G, Method 503.5, -20°C to +50°C, >30°C/min., 100 cycles (50 hrs.)
Humidity Cycling	Mil-Std-810G, Method 507.5, 95% RH, 30C, 30%RH @60°C, 240 hrs.
Random Vibration (Non-Operating)	Mil-Std-810G, Method 514.6, Cat. 5, Loose Cargo, 1" displacement, 5 Hz, 1 hr./axis
Random Vibration (Operating)	Mil-Std-810G, Method 514.6, Cat 4., Composite Wheeled Vehicle, 2.24 Grms, 5 to 500 Hz, 1 hr./axis
Shock (Operating)	Mil-Std-810G, Method 516.6, Proc. I, 40g, 11ms, saw-tooth, 3 shocks, +/- per axis, 3 axes
Altitude	Mil-Std-810G, Method 500.5, Procedure I (15,000 ft, non-operating); 57.2 kPa (8.3 psia)
Regulatory	FCC, CE

Samsung Galaxy Note 5

Dimensions	153.2 x 76.1 x 7.6 mm (6.03 x 3.00 x 0.30 in)
Weight	171 g (6.03 oz)
Display Size	5.7 inches (145 mm)
Display Resolution	1440 x 2560 pixels (~518 ppi pixel density)
Operating System	Android OS v6.x (Marshmallow)
Battery Capacity	Li-Po 3000 mAh
CPU	Octa-core (4x2.1 GHz Cortex-A57 & 4x1.5 GHz Cortex-A53)
GPU	Mali-T760MP8
RAM	4 GB
ROM	32/64/128 GB
Camera	16 MP, f/1.9, 28mm, OIS, autofocus, LED flash
Video	2160p@30fps, 1080p@60fps
Communication	GSM / HSPA / LTE, WiFi, Bluetooth, GPS, NFC, microUSB v2.0

Contact EMV Reader

EMV Certification	Level 1 & 2
Encryption Algorithms	TDES and AES
Lifetime	> 500,000 cycles
MTBF	300,000 Hours
ESD Immunity	4 KV, human body model, ICC contacts
Ingress Protection Level	IP65 with EMV Port Plug IP62 without EMV Port Plug
Operating Temperature	0°C to 55°C (32°F to 131°F)
Storage Temperature	-30°C to 65°C (-22°F to 149°F)
Operating Humidity	Maximum 95% non-condensing, dry storage



Barcode Scanner + Contact EMV Backcap

Dimensions	150 x 85 x 14 mm (5.90 x 3.34 x 0.55 in)
Weight	150 g (5.3 oz)
Battery Capacity	3,000 mAh @ 3.6 V (10.8 Wh)
Charging Methods	Wireless - Qi (up to 10W) Wired - USB Type C (up to 10W)
Charging Time	<75 minutes @ 10W
Non-Volatile Memory	8 GB
Drop Height	Mil-Std-810G, Method 516.6 (72 inches) with Optional Shock Case Mil-Std-810G, Method 516.6 (48 inches) without Optional Shock Case
Operating Temperature	Mil-Std-810G, Method 501.5 & 502.5, -20°C to +50°C, 48 hrs. @ extremes
Storage Temperature	Mil-Std-810G, Method 501.5 & 502.5, -40°C to 85°C, 48 hrs. @ extremes
Temperature Cycling	Mil-Std-810G, Method 503.5, -20°C to +50°C, >3°C/min., 100 cycles (150 hrs.)
Thermal Shock	Mil-Std-810G, Method 503.5, -20°C to +50°C, >30°C/min., 100 cycles (50 hrs.)
Humidity Cycling	Mil-Std-810G, Method 507.5, 95% RH, 30C, 30%RH @60°C, 240 hrs.
Random Vibration (Non-Operating)	Mil-Std-810G, Method 514.6, Cat. 5, Loose Cargo, 1" displacement, 5 Hz, 1 hr./axis
Random Vibration (Operating)	Mil-Std-810G, Method 514.6, Cat 4., Composite Wheeled Vehicle, 2.24 Grms, 5 to 500 Hz, 1 hr./axis
Shock (Operating)	Mil-Std-810G, Method 516.6, Proc. I, 40g, 11ms, saw-tooth, 3 shocks, +/- per axis, 3 axes
Altitude	Mil-Std-810G, Method 500.5, Procedure I (15,000 ft, non-operating); 57.2 kPa (8.3 psia)
Regulatory	FCC, CE
Battery Safety	UN 38.3, UL 60950-1, IEEE 1625-2008

Barcode Scanner Backcap

Ingress Protection Level	IP65
Sensor Resolution	1280 x 800 pixels
Field of View	Horizontal: 42°, Vertical: 28°
Skew, Pitch & Roll	Skew Tolerance: ±60° Pitch Tolerance: ±60° Roll Tolerance: 360°
Focal Distance	From front of engine: 7.64 in.
Aiming LED	610nm LED
Illumination	1 Hyper Red 660nm LED
Ambient Light	Max 107,639 lux (direct sunlight)
Decode Ranges	4 mil Code 39: 3.3 in./8.4 cm (Near) 8.8 in./22.4 cm (Far) 5 mil Code 128: 2.8 in./7.1 cm (Near) 8.2 in./20.8 cm (Far) 5 mil Code 39: 2.0 in./5.08 cm (Near) 13.5 in./34.3 cm (Far) 5 mil PDF417: 3.1 in./7.9 cm (Near) 8.4 in./21.3 cm (Far) 10 mil DataMatrix: 2.9 in./7.4 cm (Near) 10.1 in./25.7 cm (Far) 100% UPCA: 1.8* in./4.6* cm (Near) 26.0 in./66.0 cm (Far) 20 mil Code 39: 2.0* in./5.08* cm (Near) 30.0 in./76.2 cm (Far) * Field of view limited
Operating Temperature	-20° C to 50° C (-4° F to 122° F)
Storage Temperature	-30° C to 70° C (-22° F to 158° F)
Operating Humidity	95% RH, non-condensing at 50° C (122° F)
Storage Humidity	85% RH, non-condensing at 70° C (158° F)
LED Classification	Exempt Risk Group LED product per IEC/EN 62471



Mobelisk Cloud Infrastructure

Smartcase Health & Status Data	Automatically routed to Mobelisk Cloud infrastructure for storage, reporting, and visualization.
Environmental Sensor Data	Automatically routed to Mobelisk Cloud infrastructure for storage, reporting, and visualization.
Modular Peripheral Transaction Data	Automatically routed to Mobelisk Cloud infrastructure for storage, reporting, and visualization.
Application Utilization Data	Automatically routed to Mobelisk Cloud infrastructure for storage, reporting, and visualization.