

# MTech Slimline Reader

Product Sheet EN MTech Slimline Reader3



## Secure Access Control Including Mobile ID & BLE

**The MTech reader series is compatible with Secure RFID technologies, NFC and open BLE solutions with Mobile keys. The reader is powerful enough to read up to 8 different technologies or formats simultaneously, along with customized formats, making the MTech VG3 Slimline readers some of the most powerful on the market while also future proofing it as an access control reader.**

All readers incorporate a robust, timeless design, making them suited for both indoor and outdoor installations in all kinds of access control applications. MTech Slimline is a reader operating at 13.56Mhz RFID technologies - together with Mobile solutions and BLE/ NFC support. MTech Slimline support MIFARE Classic®, MIFARE Plus® and MIFARE DESFire CSN/UID® and applications, Random UID, iCLASS UID and Bitwards mobile application. This makes it ideal to use simultaneous with different secured RFID technologies and mobile applications as Bitwards as a non-proprietary solution.

Standardized communication as Wiegand and OSDP are used between the reader and the access control application and can be encrypted with the OSDP Secured channel function.

The form factor as a mullion reader makes it very versatile, making it fit easily in modern buildings and door frames. MTech Slimline is available both with- and without keypad, the version with keypad has backlit keys which are configurable. The substantial LED frame provides visual indicators for the user, while the buzzer provides an audible indicator. Both the LED and the buzzer are configurable.



MTech VG3 readers are Mobile ID ready with a non-proprietary solution. Easy to adapt to all access control applications.

# Technical Specifications



Model Name	Standard PIN	Standard NO PIN	Slim PIN	Slim NO PIN	Combi PIN	Combi NO PIN
<b>Operating Frequency</b>	13.56MHz				13.56MHz + 125kHz	
<b>Reading Technologies</b>	BLE/NFC, MIFARE CSN 4 byte, MIFARE CSN 7 byte, MIFARE Classic, MIFARE Plus, MIFARE DESFire 0.6 and MIFARE DESFire EV1, MIFARE DESFire EV2 <sup>1</sup> , MIFARE DESFire EV3 <sup>1</sup> and MIFARE Random UID. ICLASS UID ISO14443B. Also supports other ISO 14443 A/B <sup>2</sup> compatible cards.				BLE/NFC, Electromarine EM4200. HID Proximity. MIFARE CSN 4 byte, MIFARE CSN 7 byte, MIFARE Classic, MIFARE Plus, MIFARE DESFire 0.6 and MIFARE DESFire EV1, MIFARE DESFire EV2 <sup>1</sup> , MIFARE DESFire EV3 <sup>1</sup> and MIFARE Random UID. ICLASS UID ISO14443B. Also supports other ISO 14443 A/B* compatible cards.	
<b>Secure Access Module</b>	MIFARE SAM AV2, external SIM card connection slot.					
<b>Reading Output Format</b>	Wiegand, Clock/Data, OSDP 1, OSDP 2 (including Secure channel), RS232 and RS485					
<b>Reading Output Format</b>	24-1024 (excluding parity bits)					
<b>Keypad Output Format</b>	Wiegand 4bit, Wiegand 8bit (Dorado), Wiegand 26bit, OSDP ASCII format.					
<b>Keypad</b>	12 digit keypad in 4 rows of 3 keys in each row. <sup>3</sup>		12 digit keypad in 6 rows of 2 keys in each row. <sup>3</sup>		12 digit keypad in 6 rows of 2 keys in each row. <sup>3</sup>	
<b>Indicators</b>	LED, Green, Red and Yellow (Bi-color). Backlight in blue color. Buzzer.					
<b>Power Supply</b>	9 – 30VDC					

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<b>Current Consumption</b>	24VDC idle mode with heater inactive 40-60 mA <sup>4</sup> 12VDC, idle mode with heater inactive 50-90 mA <sup>4</sup>		
<b>Input/Output</b>	4 input for LED and buzzer and 2 configurable input/output		
<b>Tamper Alarm</b>	Built-in mechanical tamper switch which allows for indication break off protection and/or opening of the reader		
<b>Operating Temperature</b>	-40° - +70°C		
<b>Heater</b>	Thermostat controlled embedded heater		
<b>Operating humidity</b>	0 – 95% RHNC (Relative Humidity No Condensation)		
<b>Ingress Protection Classification</b>	IP 65 (requires the accessory climate protection SC9901)		
<b>Housing Dimensions</b>	L=109mm, H=25mm, W=79mm	L=141mm, H=25mm, W=48mm	L=109mm, H=25mm, W=79mm
<b>Configuration Methods</b>	Configuration card, reader tool software or factory configured readers		

<sup>1</sup> Application coding must be in accordance with EV1.

<sup>2</sup> Not all ISO14443 B cards have been implemented in the reader, please contact Keri Systems for more details on current status. MIFARE is a registered trademark of NXP B.V. and is used under license.

<sup>3</sup> With configurable backlight in blue color. Control features On/Off/Auto indicators. Light intensity can be adjusted.

<sup>4</sup> Current consumption differs depending on functionality used and can also be limited in the reader configuration, please consult the MTech Standard full installation guide for current consumption, before dimensioning power supply.