



TOUCH 2

Faster. Stronger. Beyond Soul Touching.

TOUCH 2 is a super-charged take on an Invixium classic. It's the same TOUCH you know and love – but better.

Just when you thought it couldn't get any better, the perfect solution for time and attendance tracking has evolved. The newly revitalized TOUCH 2 brings yet another refreshingly modern design to the biometric market with a 5 MP camera for face detection, an enhanced IPS LCD Touchscreen for a visually stunning experience and the latest Corning Gorilla Glass 5 providing increased toughness. Armed with improved processing speed, increased memory and higher biometric record capacity, TOUCH 2 is a visually stunning, all-in-one, "do everything" machine for smart homes, enterprises and industries alike.



CAMERA



BATTERY BACKUP



Wi-Fi



DEVICE POWERS
DOOR STRIKE



PoE+



Corning®
Gorilla® Glass



Technical Specifications

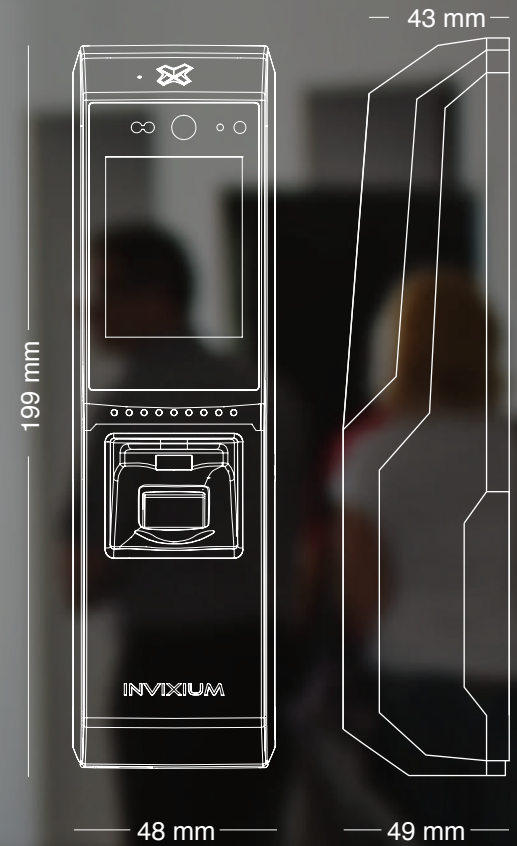
Processor	ARM Cortex A8 - 1 GHz
Graphics Engine	POWERVR SGX530 3D
Random Access Memory	512 MB DDR3L @ 400 MHz
Flash Memory - NAND	1 GB
Operating System	Android® OS 4.1.2
Serial Communication	RS - 232, RS - 485, USB-Aux
Ethernet	100BASE-T
Wi-Fi*	802.11 b/g/n
Camera	Omnivision 5 MP QVGA @ 30 fps
Flash	High intensity LED flash
Ambient Sensor	Up-to 50,000 lux (Configurable)
Wiegand	Customizable up-to 512 bits
USB	USB 2.0 On - The - Go (OTG)
# of SPOs & SPIs	3 & 3
Door Access Controller	1A (1-Output, 2-Input, 1-Relay)
Door Strike Supply	12V @ 500mA
Anti-Shock Vandal Protection	Standard
LCD & Interface	2.4" IPS Cap Touch Screen
Auto On (Proximity Sensor)	Yes (2 meters)
Audio	Speaker (2 Watts), Microphone
Super Strong Protective Screen Cover	Corning® Gorilla® Glass 5
Battery Back-up	Li-ion 1400 mAH (Sold separately)
1 : N Users (Records)	20K users (40K biometric records)
1 : 1 Users (Records)	100K users (200K biometric records)
# of Transaction Logs	500K
PoE+	IEEE 802.3at
Power Supply**	12V DC @ 1A, 24V DC @ 0.5A
Operating Temperature	-20° C to +60° C (-4° F to +140° F)
Relative Humidity	0% ~ 95%, non condensing

Regulatory Approvals and Certificates FCC, CE, RoHS, IP65, IK08

**If device is powering the door strike, power supply should be 12V DC @ 1.5A.

*Only with S Series (FP Sensor option)

Dimensions



Device Models

TOUCH 2	Sensor	Model	Option	Color
	FP	1	Base	White/Gold
	FPL	2	Wi-Fi	Black/Chrome
		3		
		4		
		5		

FP - Optical Sensor
FPL - Lumidigm Multispectral Sensor

Base - PoE, Camera
Wi-Fi - Camera, PoE, WiFi, Bluetooth

1 - Fingerprint + PIN

2 - Fingerprint + PIN + Card Reader† (EM Prox / MiFARE / DESFire)

3 - Fingerprint + PIN + Card Reader† (HID Prox)

4 - Fingerprint + PIN + Card Reader† (iCLASS / MiFARE / DESFire)

5 - Fingerprint + PIN + Card Reader† (EM Prox / HID Prox / iCLASS / MiFARE / DESFire)

†EM Prox - 125 KHz (4100, 4102, 4200)

HID Prox - 125 KHz (ProxCard II)

iCLASS - 13.56 MHz (iCLASS Standard, iCLASS SE)

MiFARE - 13.56 MHz (MiFARE Classic, DESFire, DESFire EV1)

PRODUCT COMPARISON MATRIX



	MERGE CR	MERGE	MYCRO	SENSE 2 L series	SENSE 2 S series	TOUCH 2 S series	TOUCH 2 S Series Wi-Fi	TOUCH 2 L series	TITAN FV Series	TITAN FPU Series	TITAN FPLV Series
Device OS	Android	Android	Android	Android	Android	Android	Android	Android	Android	Android	Android
Biometric Modalities	—	Fingerprint	Fingerprint	Fingerprint	Fingerprint	Fingerprint	Fingerprint	Fingerprint	Face Recognition Finger Vein	Face Recognition Fingerprint	Face Recognition Fingerprint
Sensor Type	—	Active thermal NEXT	SecuGen Optical	Lumidigm Multispectral (Mercury)	SecuGen Optical	SecuGen Optical	SecuGen Optical	Lumidigm Multispectral (Mercury)	Hitachi Finger Vein	SecuGen Optical (FBI Certified)	Lumidigm Multispectral (Venus)
Tamper	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Internal Relay	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Finger Capacity (1: N)	—	1K	20K	40K	40K	40K	40K	40K	2K	100K	100K
Finger Capacity (1: 1)	5K	10K	50K	200K	200K	200K	200K	200K	1 million	1 million	1 million
Face Capacity (1: N)	—	—	—	—	—	—	—	—	100K	100K	100K
Log Capacity	25K	25K	100K	500K	500K	500K	500K	500K	500K	500K	500K
Audio	Speaker	Speaker	Multi-tone Buzzer	Speaker & Mic	Speaker & Mic	Speaker & Mic	Speaker & Mic	Speaker & Mic	Stereo Speaker & Mic	Stereo Speaker & Mic	Stereo Speaker & Mic
Weather Rating	IP65 Kit	IP65 Kit	IP65	IP65	IP65	IP65	IP65	IP65	IP67	IP67	IP67
Operating Temp	0°C to +60°C 32°F to +140°F	0°C to +60°C 32°F to +140°F	-20°C to +60°C -4°F to +140°F	-20°C to +60°C -4°F to +140°F	-20°C to +60°C -4°F to +140°F	-20°C to +60°C -4°F to +140°F	-20°C to +60°C -4°F to +140°F	-20°C to +60°C -4°F to +140°F	-25°C to +75°C -13°F to +167°F	-25°C to +75°C -13°F to +167°F	-25°C to +75°C -13°F to +167°F
Communication	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet
Power over Ethernet (PoE)	PoE+	PoE+	—	PoE+	PoE+	PoE+	PoE+	PoE+	PoE+	PoE+	PoE+
Power Supply	12 VDC @ 1 Amp	12 VDC @ 1 Amp	12 VDC @ 1 Amp	12 VDC @ 1 Amp	12 VDC @ 1 Amp	12 VDC @ 1 Amp	12 VDC @ 1 Amp	12 VDC @ 1 Amp	12 VDC @ 2 Amp	12 VDC @ 2 Amp	12 VDC @ 2 Amp
Camera	—	—	—	—	—	5 MP	5 MP	5 MP	21 MP	21 MP	21 MP
Wi-Fi	—	—	—	—	—	—	Yes	—	Yes	Yes	Yes
HDMI Output	—	—	—	—	—	—	—	—	Yes	Yes	Yes
LCD	—	2.0" IPS Touchscreen	—	—	—	2.4" IPS Touchscreen	2.4" IPS Touchscreen	2.4" IPS Touchscreen	5.0" IPS Touchscreen	5.0" IPS Touchscreen	5.0" IPS Touchscreen
Battery Backup (Accessory)	—	—	—	—	—	—	—	Li-ion 1400 mAH	Li-ion 1400 mAH	Li-ion 5000 mAH	Li-ion 5000 mAH
Presence Detect	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Door Strike Supply	—	—	—	12V@500mA 24V@250mA	12V@500mA 24V@250mA	12V@500mA 24V@250mA	12V@500mA 24V@250mA	12V@500mA 24V@250mA	12V@500mA 24V@250mA	12V@500mA 24V@250mA	12V@500mA 24V@250mA
Dimensions (LxWxD)	139x47x34 mm 5.5x1.9x1.3 in	176x49x33 mm 6.9x1.9x1.3 in	168x48x44 mm 6.6x1.9x1.7 in	199x48x49 mm 7.8x1.9x1.9 in	199x48x49 mm 7.8x1.9x1.9 in	199x48x49 mm 7.8x1.9x1.9 in	199x48x49 mm 7.8x1.9x1.9 in	199x48x49 mm 7.8x1.9x1.9 in	27x9x9 cm 10.6x3.5x3.5 in	27x9x9 cm 10.6x3.5x3.5 in	27x9x9 cm 10.6x3.5x3.5 in
Device Models	CR	FP22 FP4	FP1 FP2 FP3 FP4 FP5	FPL1 FPL2 FPL3 FPL4 FPL5	FP1 FP2 FP3 FP4 FP5	FP1 FP2 FP3 FP4 FP5	FP1 FP2 FP3 FP4 FP5	FPL1 FPL2 FPL3 FPL4 FPL5	FV1 FV2 FV5	FPU1 FPU2 FPU5	FPLV1 FPLV2 FPLV5
Color Options	White Black	White Black White/Black	Black/Chrome	Black/Titanium	Black/Chrome	White/Gold Black/Chrome	White/Gold Black/Chrome	Black/Chrome Black/Titanium	Brushed Aluminium Matte Black	Brushed Aluminium Matte Black	Brushed Aluminium Matte Black

CR: Card Reader (MiFARE / DESFire)
 FP: SecuGen Optical or NEXT Sensor
 FPL: Lumidigm Multispectral (Mercury) Sensor
 FPU: SecuGen Optical (FBI Certified) Sensor
 FV: Hitachi Finger Vein Sensor
 FPLV: Lumidigm Multispectral (Venus) Sensor
 1: Finger only
 2: Card Access (EM Prox / MiFARE / DESFire)
 22: Card Access (MiFARE / DESFire)
 3: Card Access (HID Prox)
 4: Card Access (iCLASS / MiFARE / DESFire)
 5: Card Access (EM Prox / HID Prox / iCLASS MiFARE / DESFire)