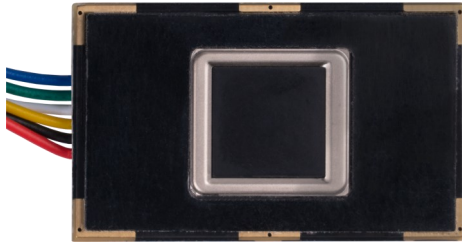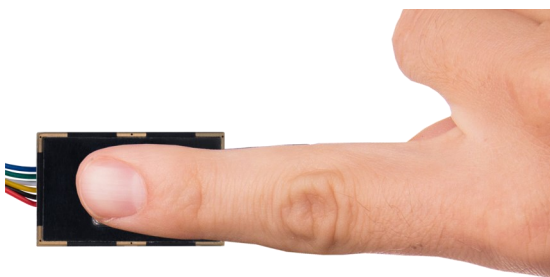# R301T FINGERPRINT SENSOR MODULE

COM-FP-R301T

This Sensor module is capable of image collection and algorithm calculation due to this integrated chip. Another remarkable function of the sensor is, that it can recognize the fingerprint in different conditions, for example humidity, light texture or changes of the skin. This offers a very wide range of possible applications to secure locks and doors among other. The chip can send data via UART, TTL serial and USB the to the connected controller.

MAIN FEATURES

Model	JP2000 Sensor
Chip	32 Bit ARM Cortex-M3
Chip storage	96 kB RAM, 1 MB Flash
Dimensions	42 x 19 x 8 mm
Items delivered	COM-FP-R301T, cable

FURTHER SPECIFICATIONS

Power supply	4,2 - 6,0 V
Working current	Typical: 40 mA Peak: 50 mA
Logic level	3.3 V - TTL Logic
Fingerprint storage capacity	1700 Prints
Matching mode	1:N Identification 1:1 Verification
Adjustable Security level	1 - 5 levels (default security level: 3)
FAR	< 0.001 % (on security level 3)
FRR	< 0.1 % (on security level 3)
Response Time	Pre-treatment: < 0.45s Match: <1.5 s
Baud rate support	9600 - 921600
UART Communication	No parity, Stop Bit: 1
Environment temperature	-10 - 50°C

FURTHER DETAILS

Article No.	COM-FP-R301T
EAN:	4250236822037
Customs Tariff No.	8473302000