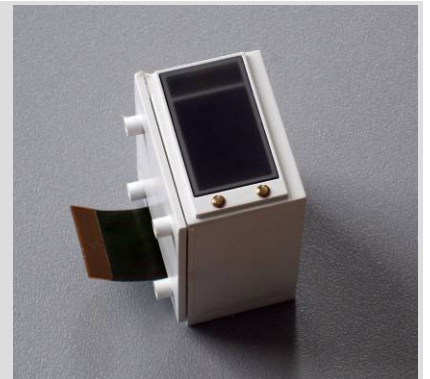


Fingerprint NAOS-A

Your tough security



Features	Fiber optic fingerprint sensor. New NAOS technology for acquiring very accurate fingerprints. Toughest surface, not influenced by abrasion, no coating.
Application	Stationary and mobile outdoor and indoor application powered by local power supply or battery. Mainly used in access control, time and attendance, or integration in automotive, avionic and vending machines.
Highlights	Hermetical fiber optic plate resists most physical, chemical and mechanical stress. Resistant to vandalism to a large extent. 1000 ppi and 500 ppi fingerprint image. Integrated LEDs for function display. Low power finger presence detection
Fake Rejection	Integrated sensor that determines the human body capacitance. Sensor for blood oxygen. Optional pulse measuring is possible.
Active Area	12 mm x 18 mm
Size	26 mm x 32 mm x 44 mm over all
Image	Gray Levels: 10 Bit or 8 Bit Ambient light immunity: up to 100,000 lux
Supply Voltage	3.3V V ± 0,3 V
Power Supply	Sleep mode: < 10 µA Idle mode: < 150 mA Capturing mode: < 900 mA (peak 10ms, adjustable)
Electrical Interface	Direct sensor interface, parallel and LVDS, I2C FPC 30 way connector 0.5 mm pitch
ESD	25 kV according Human Body Model
Integration	Installation in devices with mounting frames or direct integration in customer systems. Dove tail mechanic interface. Connection to various microcontroller or DSP.
Water Proof	IP 65 / DIN 40050 (depending on assembly)
Life Time	About 20 years
Temperature	-40 °C to +85 °C (-40 °F to 185 °F)
Storage Temperature	-40 °C to +85 °C (-40 °F to 185 °F)
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