

Standart (Outdoor) Reader



AMR Data Terminal & Customer Identification Unit



The reader controls both fleet and individual customer fuel supplies, and allows use of customer loyalty programs. ASIS have many different contactless card, key tag and RFID tag options, because of various customer programs, interactive information management and different functionality needs. Thus, ASIS provides variety of options to have the opportunity to choose the most suitable equipment for their customers or projects.

Orbit ST AMR Terminal is based on the popular NXP 13.56 MHz NFC IC. It is compatible with all popular NFC technologies like ISO/IEC 14443A-MIFARE, ISO/IEC 14443B, ISO/IEC18092-NFCIP1, Felica, NFC Forum Tag.

It is an ideal choice for your system applications with NFC reader, because of its touch membrane keypad, affordable price, small size, rich command set, and its support of standard binary communication protocol.

Technical Specification

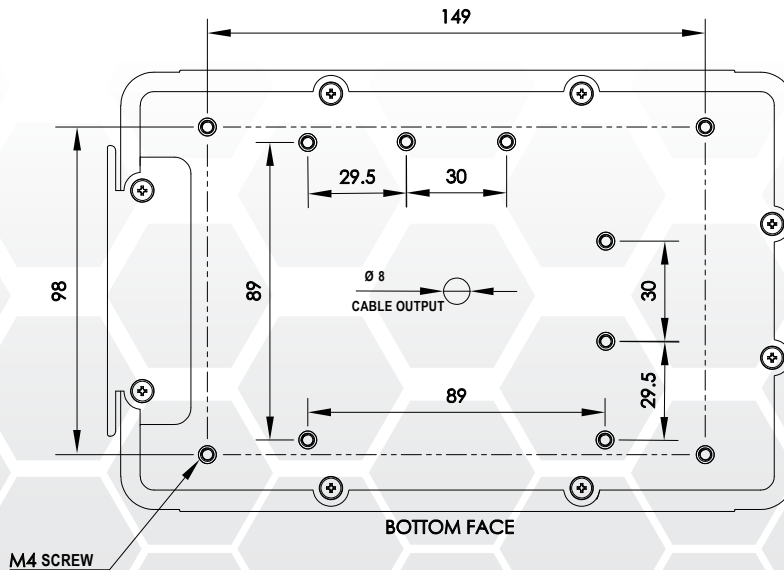
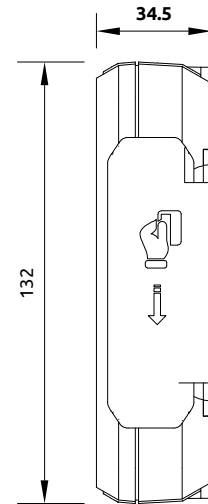
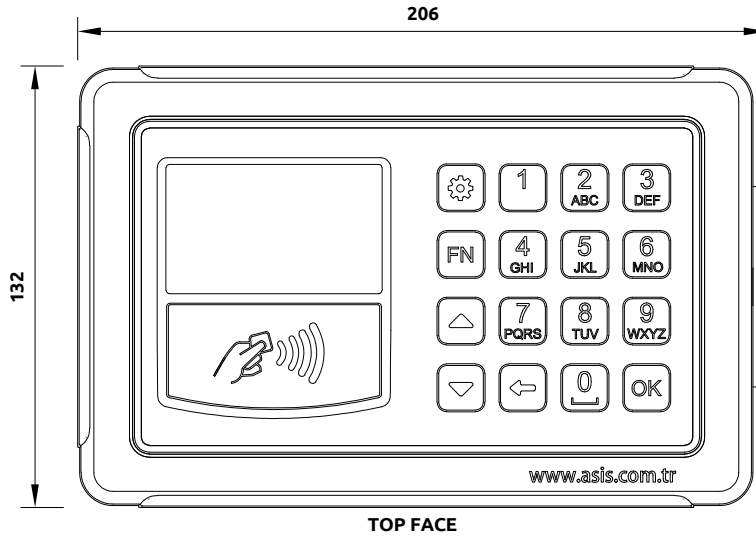
- ▶ Fully supports for ISO/IEC 14443 based Mifare Classic 1/2/4 kByte, Mifare DESFire 2/4 kByte, Mifare Ultralight cards, stickers and tags.
- ▶ Fully supports for NFC Forum Type based NTAG 213/215/216 tags.
- ▶ It is capable of data transfer over NFC based on ISO/IEC18092-NFCIP1 protocol
- ▶ It is capable of reading payment cards based on EMVCo standards (VISA, MasterCard etc)
- ▶ Up to 70 mm reading range, depending on antenna and card.
- ▶ User interface with 128x64 Graphic LCD.
- ▶ Advanced user interaction and visibility with RGB leds.
- ▶ Improved sound notifications.
- ▶ Alphanumeric keyboard for data entry in different applications
- ▶ **High strength membrane keypad with F200 Polyester and 3M tape**
- ▶ Magnetic Card Reader option
- ▶ RS-485 2-wires mode, cascable up to 256 devices
- ▶ RS-232 output for communication with peripherals and automation.
- ▶ External units can be managed as on/off with a integrated solid state relay (2FormC / 2A 30V DC 220V AC)
- ▶ Opened/closed information can be obtained from external units with a isolated input.
- ▶ Software update or logo/image/text uploading can be done easily via automation.
- ▶ Wide operating range: 9 – 24V DC. (Current consumption: 50mA – 200mA)
- ▶ It is protected against transient voltage spikes and lightning strikes.
- ▶ Water and dust resistant with IP65
- ▶ Operating range: -20°C (68°F) to +70°C (158°F)
- ▶ Dimensions: 205 x 132 x 35 mm

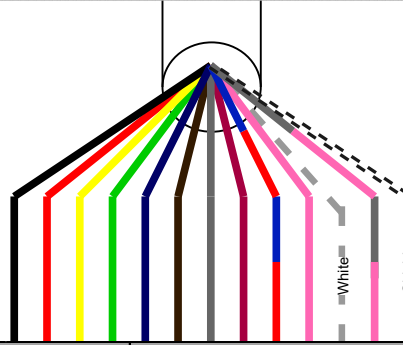
Orbit[®]_{st}

Standart (Outdoor) Reader



ASIS Automation Inc.





No	Cable Color	Info
1	Black	9 - 24V DC Power Input (-)
2	Red	9 - 24V DC Power Input (+)
3	Yellow	RS-485 A (+)
4	Green	RS-485 B (-)
5	Blue	RS-232 RX
6	Brown	RS-232 TX
7	Grey	RS-232 GND
8	Purple	Relay Normally Open Contact (NO)
9	Red/Blue	Relay Common Contact(COM)
10	Pink	Relay Normally Closed Contact (NC)
11	White	External Input
12	Grey/Pink	GND
13	Shield	EARTH