OBID®
Welcome to RFID

HF Crystal Gate
ID ISC.ANT1690/600

FEATURES

→ Excellent Aisle Width (up to 1.2 m)

→ Patented Configuration

→ Transparent Design

→ Easy Installation

→ Optional Functions

→ Flexible IT Integration

→ International Approvals

reddot design award
winner 2010

FEIG
ELECTRONIC

Top Performance
- Excellent 3-D read rates
- Comfortable aisle width up to 1.2 m due to a patented configuration
- DVD and CD detection

Transparent Design
- Customer specific colors optional available
- Transparancy of almost 100% (acrylic plate)
- Alarm light integrated in acrylic plate

Easy Installation
- Automatic antenna tuning, software controlled
- Comprehensive service software
- Integrated electronics in antenna basement

Optional Functions
- People counter
- Language module for individual messages

Flexible IT Integration
- Interfaces: RS232, RS485, Ethernet, W-LAN
- Alternative „Stand alone"-Mode
- Software libraries for Windows, Linux, Java, ...
- Remote maintenance and diagnostics
- Integration of customer-specific software directly on the reader

International Approvals
- Radio licenses according to ETSI (Europe), FCC (USA) and IC (Canada)
- UL approved

Technical Data

Dimensions (W x H x D)	(600 x 1700 x 72) mm ± 5 mm (23.6 x 66.9 x 2.8 inch) ± 0.2 inch
Housing	Panel: Acrylic glass Base: ABS, UV stabilized
Surface	Texture, satin
Color	Crystal clear (acrylic panel) Signal white (base) More colors available on request

Weight
  Type A
  Type B
	
	approx. 23.0 kg
	approx. 21.5 kg

Operating frequency	13.56 MHz
Supply voltage	24 V DC ± 15%
Power consumption	maximum 32 VA
Alarm functions	Automatic without host connection; with optical and acoustic indicator; EAS, AFI, UID/SNR
Transponders	ISO15693, ISO18000-3-A, NXP I Code 1, I Code UID, I Code EPC
Interfaces	RS232, RS485/RS422, Ethernet optional: W-LAN

Aisle width
 Standard
  unidimensional
  tridimensional
	
	up to 120 cm (47.2 inch)
	up to 100 cm (39.4 inch)

Temperature range Operation Storage	 −25 °C up to +50 °C −25 °C up to +70 °C

Installation

- All electronic components installed in the antenna base

- 1 aisle:
   1 antenna type A (incl. reader, multiplexer),
   1 antenna type B

- 2 up to 3 aisles:
   1 antenna type A (incl. reader, multiplexer)
   2 up to 3 antennas type B

4 or more aisles available on request

Order descriptions

ID ISC.ANT1690/600-A Crystal Gate (Base)
  Gate antenna with reader and multiplexer

ID ISC.ANT1690/600-B Clear Gate

All antennas include an automatic antenna tuner.