



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



HF 8 channel Multiplexer ID ISC.ANT.MUX



FEATURES

- Communication between reader and multiplexer via antenna cable
- Multiplexer outputs are controlled by the reader, a host or digital inputs
- Non-wearing electronic switching of the outputs
- Two independent reader input channels for variable antenna applications
- High switching rate (< 1 ms)
- Also available as 8 channel MUX Module or 4 channel MUX Module



SHORT DESCRIPTION

The 8 channel Multiplexer ID ISC.ANT.MUX-A facilitates switching between RFID antennas with an operating frequency of 13.56 MHz. With one Multiplexer several single antennas and gate solutions can be operated with only one reader.

Any of the eight Multiplexers outputs can be assigned to both inputs by jumper adjustment.

In addition it is possible to connect further Multiplexers with Multiplexers already in use to raise the number of possible antenna connections.

The Multiplexer is controlled either via a digital input or the antenna cable connected with the reader.

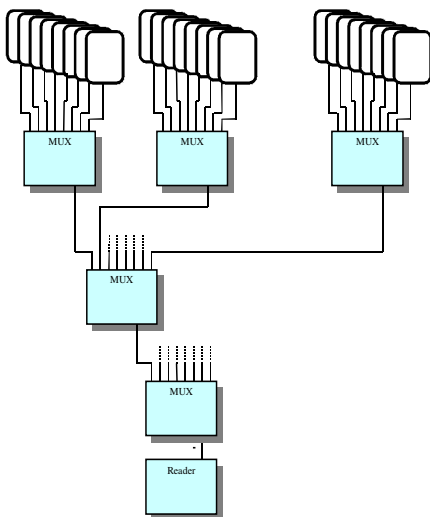
An additional connection to the Multiplexer is not necessary which guarantees an easy installation even several Multiplexers are in use. The advanced communication between the reader and the Multiplexer allows direct switching to any output.

Additionally, FEIG ELECTRONIC offers an 8 channel Multiplexer in a housing, an 8 channel Multiplexer Module and a 4 channel Multiplexer.

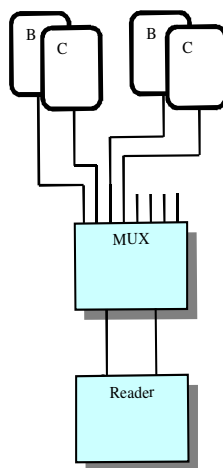
Order descriptions:

ID ISC.ANT.MUX	HF Multiplexer (8 channels)
ID ISC.ANT.MUX.M8	HF Multiplexer Module (8 channels)
ID ISC.ANT.MUX.M4	HF Multiplexer Module (4 channels)

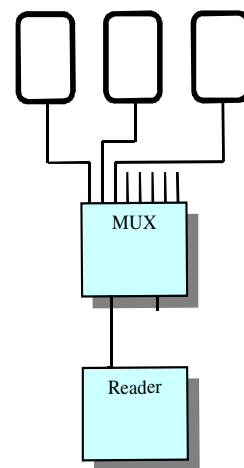
Examples of use:



Several connected Multiplexers



Multiplexer with gate solution



Multiplexer with single antennas

TECHNICAL DATA

Dimensions (W x H x D)	182 x 110 x 90 mm
Housing	Plastic ASA, with screwed plexiglas lid
Weight	approx. 550 g
Protection class	IP 65
Operating frequency	13.56 MHz
Grommet	12 x screwed cable gland M16 x 1,5
Supply voltage	12 – 24 V DC
Power consumption	maximum 4.0 W
Attenuation per channel	maximum 0.5 dB
Max. permissible switching power	10 W
RF connections	
2 x input	SMA jack (50Ω)
8 x output	SMA jack (50Ω)
RF switch	electronic switch; switching speed < 1ms
Triggering	
Reader	via RF input 1
external pulse generator	digital input
Digital inputs	
1 x opto koupler	maximum 24 V DC / 20 mA
Signal indicators	1 x LED per channel, 3 x LED (Run / HF / communication)
Temperature range	
Operation	-25°C up to 65°C
Storage	-40°C up to 80°C

STANDARD CONFORMITY

EMC	EN 61000-6-3 EN 61000-6-2
Vibration	EN 60068-2-6 10 Hz bis 150 Hz; 0.075 mm / 1g
Shock	EN 60068-2-27 acceleration: 30g

FEIG ELECTRONIC reserves the right to change specification without notice at any time.
State of information: November 2016.