

### Specification:

Supported standard:	ISO/IEC 1800 Part 3 Mode 2
Operating frequency:	13.56 MHz
Command data rate:	423.75 kbit/s
Reply rate:	105.9 kbit/s per channel or 848 kbit/s on 8 channels
Identification rate:	Up to 1,200 per second (reader dependent)
Memory (user programmable):	8 kbit (508 words) EEPROM
Reading distance:	Reader dependent
Inlet base material:	PET (polyester)
Antenna coil material:	Copper (Cu) or Aluminum (Al)
Label face material:	Clear PP/ PE/PET (standard delivery) or paper (on request)
Thickness:	Inlets max 150 µm (210 µm IC area); Plastic Labels max 240 µm with a liner (max 370 µm IC area); Paper Labels max 340 µm with a liner (470 µm IC area)
Typical programming cycles (25oC):	> 100,000
Data retention time:	> 10 years
Operation ambient temperature:	- 20°C to + 70°C
Storage temperature:	+15°C to +25°C (40-60% RH), max 2 years
Thermal cycle resistance:	200 cycles, -40°C/+80°C
Standard delivery:	Inlets and clear-face adhesive labels on rolls
Packaging:	Single-row tape on a cardboard reel/core, max 300 mm diameter roll. Reel core inner diameter: 76.2 mm (3").
Winding on a reel/core:	Face out

### PJM ItemTag®

Integrated circuit (IC): 66V10 IT

#### ItemTag Inlets

Nº	Magellan Sales Code	Description	Delivery Form
1	IT1-I4576-05T	ItemTag Inlet 45x76 mm, 5 turns	Al, roll 300 mm, 48 mm width, 5000 pcs, pitch 82 mm
2	IT1-I4245-XXT (in development)	ItemTag Inlet 42x45 mm, 5 turns	Al, roll 300 mm, 48 mm width, xxx pcs, pitch xx mm
3	IT1-I40D-XXT (in development)	ItemTag Inlet, 40 mm dia., x turns	Al, roll 300 mm, 48 mm width, xxx pcs, pitch xx mm
4	IT1-I1520-11T	ItemTag Inlet 15x20 mm, 11 turns	Cu, roll 300 mm, 35 mm width, xxx pcs, pitch xx mm



#### ItemTag transparent labels

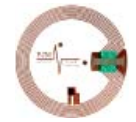
Nº	Magellan Sales Code	Description	Delivery Form
1	IT1-T5080-05T	ItemTag Label 50x80 mm, 5 turns, transparent adhesive die-cut	Al, roll 300 mm, 48 mm width, 2500 pcs, pitch 82 mm



**PJM StackTag®** Integrated circuit (IC): 66V10 ST

**StackTag inlets**

Nº	Magellan Sales Code	Description	Delivery Form
1	ST1-I4576-05T	StackTag Inlet 45X76 mm, 5 turns	Al, roll 300 mm, 48 mm width, 5000 pcs, pitch 82 mm
2	ST1-I4576-2T5	StackTag Inlet 45X76 mm, 2.5 turns	Al, roll 300 mm, 48 mm width, 5000 pcs, pitch 82 mm
3	ST1-I2656-09T (on request)	StackTag inlet, 26X56 mm, 9 turns	Cu, roll 300 mm, 80 mm width, 8000 pcs, pitch 40 mm
4	ST1-I1648-05T	StackTag Inlet, 16x48 mm, 5 turns	Al, roll 300 mm, 52 mm width, 5000 pcs, pitch 25 mm
5	ST1-I1628-10T (on request)	StackTag Inlet, 16X28 mm, 10 turns	Cu, roll 300 mm, 40 mm width, 8000 pcs, pitch 40 mm
6	ST1-I1520-11T (in development)	StackTag Inlet, 15X20 mm, 11 turns	Cu, roll xxx mm, xx mm width, xxx pcs
7	ST1-I20D-XXT (in development)	StackTag Inlet, 20 mm dia., x turns	roll xxx mm, xx mm width, xxx pcs, pitch xx mm
8	ST1-I25D-08T	StackTag Inlet, 25 mm dia., 8 turns	Al, roll 300 mm, 48 mm width, 9000 pcs, pitch 32 mm
9	ST1-P25D-08T	StackTag Inlet, 25 mm dia., protective layer	Al, roll 250 mm, 48 mm width, 3500 pcs, pitch 32 mm
10	ST1-P4076-03T	StackTag Inlet, 37x73 mm, protective layer, 3 turns, non adhesive, die-cut size 40x76	Cu, roll, xxx pcs



**StackTag transparent labels**

Nº	Magellan Sales Codes	Description	Delivery Form
1	ST1-T5080-05T	StackTag Label, 50x80 mm, 5 turns, transparent adhesive die-cut	Al, roll 250 mm, 54 mm width, 2500 pcs, pitch 82 mm
2	ST1-T4982-05T	StackTag Label, 49x82 mm, 5 turns, transparent adhesive die-cut	Cu, roll 300 mm, 90 mm width, 4000 pcs, pitch 60 mm



# Product List

## Inlets and Labels

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3	ST1-T5080-2T5	StackTag Label, 50x80mm, 2.5 turns, transparent adhesive die-cut	Al, roll 250 mm, 54 mm width, 2500 pcs, pitch 82 mm
4	ST1-T3060-09T	StackTag Label, 30x60mm, 9 turns, transparent adhesive die-cut	Cu, roll 260 mm, 80 mm width, 4000 pcs, pitch 40 mm
5	ST1-T1951-05T	StackTag Label, 19x51 mm, 5 turns, transparent adhesive die-cut	Al, roll 300 mm, 56 mm width, 2500 pcs, pitch 25 mm
6	ST1-T2032-10T	StackTag Label, 20x32mm, 10 turns, transparent adhesive die-cut	Cu, roll 260 mm, 40 mm width, 4000 pcs, pitch 40 mm
7	ST1-T37D-08T	StackTag Label, 37 mm dia., 8 turns, transparent adhesive die-cut	Cu, roll 280 mm, 40 mm width, 4500 pcs, pitch 45 mm
8	ST1-T27D-08T	StackTag Label, 27 mm dia., 8 turns, transparent adhesive die-cut	Cu, roll 280 mm, 40 mm width, 5000 pcs, pitch 36 mm
9	ST1-T24D-XXT (on request)	StackTag Label, 24 mm dia., x turns, transparent adhesive die-cut	Cu, roll xxx mm, xx mm width, 6000 pcs, pitch xx mm



### StackTag Paper Labels

Nº	Magellan Sales Codes	Description	Delivery Form
1	ST1-L4982-05T	StackTag Label, 49x82 mm, 5 turns, adhesive die-cut with paper face material	Cu, roll 220 mm, 90 mm width, 2000 pcs, pitch 60 mm
2	ST1-L4076-03T	StackTag Label, 40x76 mm, 3 turns, adhesive die-cut with paper face material	Cu, roll 200 mm, 81 mm width, 2000 pcs, pitch 60 mm
3	St1-L1824-11T	StackTag Label, 18x24 mm, 11 turns, adhesive die-cut with paper face material	Cu, roll xx mm, xx mm width, xxx pcs, pitch xx mm



**Magellan reserves the rights to change its product design, specifications and product range without notice at any time.**

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