

	TV-SAT LNB KONW/FULL- INVERTO	TV-SAT LNB KONW/WIDEBAND-INV INVERTO	TV-SAT LNB KONW/UNICAB+TWIN/INV	TV-SAT LNB KONW/UNICABLE FJ/INV INVERTO	TV-SAT LNB KONW/TWIN- INVERTO	TV-SAT LNB KONW/MONOBLOCK/INVER	TV-SAT LNB KONW/MONOBLOCK/TWIN	TV-SAT LNB KONW/MONOBLOCK/QUAD	TV-SAT LNB KONW/QUAD- INVERTO	TV-SAT LNB KONW/QUAD- INVERTO+TV	TV-SAT LNB KONW/QUATRO-INVERTO	TV-SAT LNB KONW/OCTO- INVERTO	MULTI BAND CONVERTER MBC-9645	WIDEBAND TO QUATRO SIGNAL CONVERTER MS-9646 JOHANSSON
	4.12 EUR 5.07 EUR	21.95 EUR 27.00 EUR	39.59 EUR 48.70 EUR	46.43 EUR 57.11 EUR	10.25 EUR 12.61 EUR	13.14 EUR 16.16 EUR	33.11 EUR 40.73 EUR	51.18 EUR 62.95 EUR	15.66 EUR 19.26 EUR	26.99 EUR 33.20 EUR	12.24 EUR 15.06 EUR	37.79 EUR 46.48 EUR	79.22 EUR 97.44 EUR	106.61 EUR 131.13 EUR
Type	SINGLE	SINGLE	TWIN + UNICABLE	UNICABLE	TWIN	SINGLE 6°	TWIN 6°	Quad 6°	Quad	Quad	QUATRO	OCTO		
Input frequency	• 10.7 GHz ... 11.7 GHz • 11.7 GHz ... 12.75 GHz	10.7 GHz ... 12.75 GHz	• 10.7 GHz ... 11.7 GHz • 11.7 GHz ... 12.75 GHz	10.7 GHz ... 12.75 GHz	• 10.7 GHz ... 11.7 GHz • 11.7 GHz ... 12.75 GHz	• 10.7 GHz ... 11.7 GHz • 11.7 GHz ... 12.75 GHz	• 10.7 GHz ... 11.7 GHz • 11.7 GHz ... 12.75 GHz	• 10.7 GHz ... 11.7 GHz • 11.7 GHz ... 12.75 GHz	• 10.7 GHz ... 11.7 GHz • 11.7 GHz ... 12.75 GHz	• 10.7 GHz ... 11.7 GHz • 11.7 GHz ... 12.75 GHz	• 10.7 GHz ... 11.7 GHz • 11.7 GHz ... 12.75 GHz	• 10.7 GHz ... 11.7 GHz • 11.7 GHz ... 12.75 GHz		
Inputs	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Output	...	...	...	...	...	...	...	...	...	...	...	...	1x 5 MHz ... 2150 MHz 1x 950 MHz ... 2150 MHz	2 x 290 MHz ... 2340 MHz
Power consumption	...	...	...	...	...	...	...	...	...	...	...	...	0.7 W	4 x 850 MHz ... 2150 MHz
Input	...	...	...	...	...	...	...	...	...	...	...	...	5 MHz ... 3550 MHz	3 W
TV frequency range	...	...	...	...	...	...	...	...	...	47 ... 862 MHz	...	...	...	...
RTV hand loss	...	...	...	...	...	...	...	...	...	8 dB	...	...	...	...
Operation temp	...	...	...	...	...	...	...	30 °C ... +60 °C	...	...	...	...	...	...
Outputs	...	...	...	...	...	...	...	...	...	...	...	...	1x 5 MHz ... 2150 MHz 1x ... 950 MHz ... 2150 MHz	...
H/V polarization switching	13 / 18 V	---	13 / 18 V	---	13 / 18 V	13 / 18 V	13 / 18 V	13 / 18 V	13 / 18 V	13 / 18 V	13 / 18 V	13 / 18 V	---	---
Band switching	22 kHz	---	---	---	22 kHz	22 kHz	22 kHz	22 kHz	22 kHz	22 kHz	22 kHz	22 kHz	---	---
Recommended dish diameter	75 - 90 cm	---	75 - 90 cm	---	75 - 90 cm	80 cm	80 cm	80 cm	80 - 90 cm	75 - 90 cm	75 - 90 cm	75 - 90 cm	---	---
Attenuation	---	---	---	---	---	---	---	---	---	---	---	---	Terrestrial : -1 dB SAT : -4 dB SAT after conversion : +6 dB Terrestrial : -1 dB SAT : -4 dB SAT after conversion : +4 dB	---
Power supply	---	---	---	---	---	---	---	---	---	---	---	---	SAT RECEIVER	10 ... 20 V DC - SAT RECEIVER
The advantages of using the device	---	---	---	---	---	---	---	---	---	---	---	---	---	<ul style="list-style-type: none"> • Easy extension of the existing antenna installation by connecting of two signals from Twin or Quad type LNBs, what allows to connect the additional satellite receiver or also the Twin typer receiver. These satellite receivers enable for instance recording one channel and watching the other channel in the same time • Existing antenna cable can be using for more applications. There is no need to use new additional cable when you want to connect second satellite receiver in the room • Installation of whole device is very simple
Output frequency	• 950 - 1950 MHz • 1100 - 2150 MHz	300 ... 2350 MHz	<ul style="list-style-type: none"> • UNICABLE output : 1210 MHz, 1420 MHz, 1680 MHz, 2040 MHz • 2 x SINGLE FULLBAND output : 950 ... 1950 MHz, 1100 ... 2150 MHz 	<ul style="list-style-type: none"> • UNICABLE output : 1210 MHz - CH1, 1420 MHz - CH2, 1680 MHz - CH3, 2040 MHz - CH4, 984 MHz - CH5, 1020 MHz - CH6, 1056 MHz - CH7, 1092 MHz - CH8, 1128 MHz - CH9, 1164 MHz - CH10, 1256 MHz - CH11, 1292 MHz - CH12, 1328 MHz - CH13, 1364 MHz - CH14, 1458 MHz - CH15, 1494 MHz - CH16, 1530 MHz - CH17, 1566 MHz - CH18, 1602 MHz - CH19, 1638 MHz - CH20, 1716 MHz - CH21, 1752 MHz - CH22, 1788 MHz - CH23, 1824 MHz - CH24, 1860 MHz - CH25, 1896 MHz - CH26, 1932 MHz - CH27, 1968 MHz - CH28, 2004 MHz - CH29, 2076 MHz - CH30, 2112 MHz - CH31, 2148 MHz - CH32 	• 950 - 1950 MHz • 1100 - 2150 MHz	• 950 - 1950 MHz • 1100 - 2150 MHz	• 950 - 1950 MHz • 1100 - 2150 MHz	• 950 - 1950 MHz • 1100 - 2150 MHz	• 950 - 1950 MHz • 1100 - 2150 MHz	• 950 - 1950 MHz • 1100 - 2150 MHz	• 950 - 1950 MHz • 1100 - 2150 MHz	• 950 - 1950 MHz • 1100 - 2150 MHz	• 950 - 1950 MHz • 1100 - 2150 MHz	---
Oscillator frequency	9.75 GHz / 10.6 GHz	10.40 GHz	9.75 GHz / 10.6 GHz	10.4 GHz	9.75 GHz / 10.6 GHz	9.75 GHz / 10.6 GHz	9.75 GHz / 10.6 GHz	9.75 GHz / 10.6 GHz	9.75 GHz / 10.6 GHz	9.75 GHz / 10.6 GHz	9.75 GHz / 10.6 GHz	9.75 GHz / 10.6 GHz	9.75 GHz / 10.6 GHz	9.75 GHz / 10.6 GHz
Number of outputs	1 pcs F socket	2 pcs F socket - Vertical and horizontal polarization	2 pcs F socket - SINGLE FULLBAND output, 1 pcs F socket - UNICABLE output	1 pcs F socket - UNICABLE output	2 pcs F socket	1 pcs F socket	2 pcs F socket	4 pcs F socket	4 pcs F socket	4 pcs F socket	4 pcs F socket	8 pcs F socket	---	---
Gain	55 dB	50 ... 60 dB	min. 55 dB	min. 55 dB	55 dB	50 - 62 dB	55 dB	55 dB	55 dB	55 dB	50 - 65 dB	55 dB	55 dB	---
S/N ratio	0.3 dB	0.7 dB	0.2 dB	0.1 dB	0.3 dB	0.2 dB	0.2 dB	0.2 dB	0.2 dB	0.2 dB	0.2 dB	0.3 dB	0.2 dB	---
Output impedance	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	---
LNB switch	---	---	DiSEqC	---	---	✓ DiSEqC 1.0	✓ DiSEqC	✓ DiSEqC	---	---	---	---	---	---
Neck diameter	40 mm	40 mm	40 mm	40 mm	40 mm	40 mm	23 mm / 40 mm	23 mm / 40 mm	40 mm	40 mm	40 mm	40 mm	---	---

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Main features			<ul style="list-style-type: none"> Independently operation connected in series sat-receivers due to UNICABLE technology Modern technology eliminates the need for starry wiring Very low phase noise (LNB recommended for 8PSK HDTV) The ideal solution in situations where there is only one cable placed from the antenna installation site to home 	<ul style="list-style-type: none"> Independently operation connected in series sat-receivers due to UNICABLE technology Modern technology eliminates the need for starry wiring Very low phase noise (LNB recommended for 8PSK HDTV) The ideal solution in situations where there is only one cable placed from the antenna installation site to home 									<ul style="list-style-type: none"> Device allows to send a signal from Twin type LNB via one cable to two single satellite receivers or to one Twin FVR Signal from two single type LNBS is connected via one cable to two single satellite receivers Signal from two Twin type LNBS (e.g. Astra/Hot Bird) connected through the DiSEqC switch, sent via one cable allows to connecting of two single receivers or one Twin type receiver, which due to using the DiSEqC commands will be able to receive the signal from two satellites There is also a possibility to send two signals from multiswitch via one cable Each of above solutions makes a possibility to send terrestrial TV signal via existing antenna cable 	Passing the voltage to the LNB
Weight	0.13 kg	0.136 kg	0.310 kg	0.220 kg	0.215 kg	0.335 kg	0.46 kg	0.516 kg	0.21 kg	0.317 kg	0.304 kg	0.31 kg	0.285 kg 0.275 kg	0.092 kg
Dimensions	120 x 92 x 69 mm	Ø 60 x 130.5 mm	145 x 118 x 60 mm	131 x 98 x 61 mm	145 x 90 x 70 mm	100 x 83 x 123 mm	122 x 99 x 120 mm	100 x 135 x 120 mm	144 x 90 x 68 mm	143 x 110 x 75 mm	155 x 110 x 60 mm	133 x 116 x 65 mm	114 x 140 x 48 mm 140 x 92 x 44 mm	89 x 65 x 20 mm
Manufacturer / Brand	INVERTO	INVERTO	INVERTO	INVERTO	INVERTO	INVERTO	INVERTO	INVERTO	INVERTO	INVERTO	INVERTO	INVERTO		JOHANSSON
Guarantee	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years



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