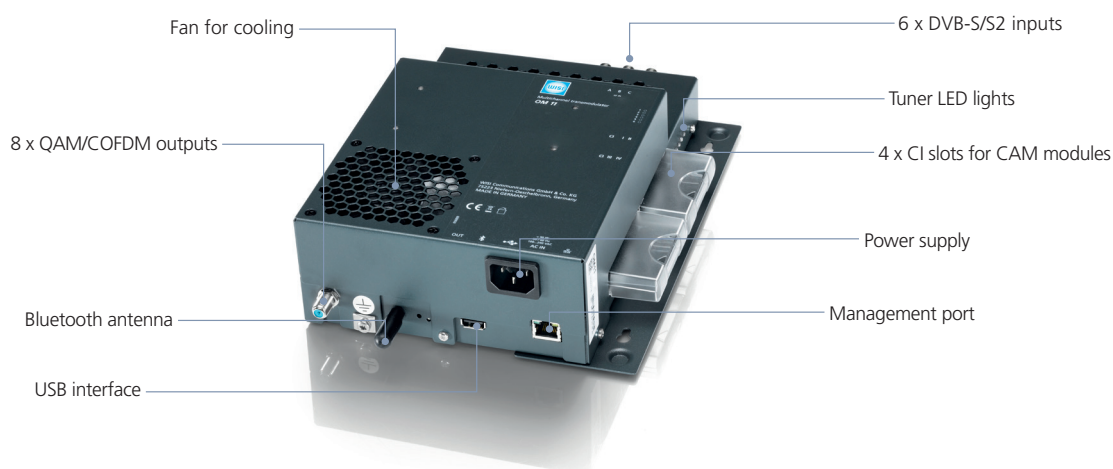




# OM 11 0648

## Compact CATV Headend

Receive DVB-T/T2/C pay-TV signals and convert to Digital Cable TV.  
A headend suited for hotels, sports bars and hospitals.



### Product Description

Increase your customer value by offering pay-TV content. Receive up to 6 DVB-T/T2/C inputs and play out as 8 QAM/COFDM outputs.

The **OM 11 0648** comes with four CI slots for decryption of pay-TV. It is equipped with a USB interface, which makes it possible to create hotel info channels or advertisement videos. Pre-configured settings are available for a quick and easy set-up.

WISI designs, manufactures and supports all products of the OM Micro Headend Series in-house. They can be wallmounted in two different positions without the need for a bulky rack.

### Features

- ✓ Receive, decrypt, convert and play-out using one headend to save space and costs
- ✓ Smart multiplexing before the CI slots enables a compact design
- ✓ USB interface enables insertion of any video content
- ✓ OM Manager Android app available for smartphone and tablet access through bluetooth
- ✓ *Hotel mode* eliminates the need for TV's to rescan transponders after input modifications



Smart Design



Developed for Hospitality

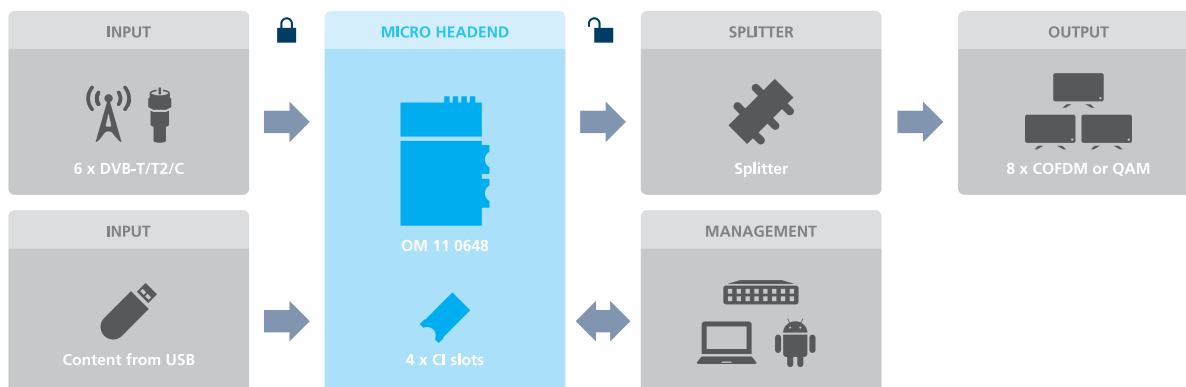


Made in Germany

Technical data	
<b>Input</b>	
Impedance	75 Ω
Input frequency range	42...1002 MHz
Input frequency steps	250 kHz
Input level range	55...95 dBμV
Bandwidth	6, 7, 8 MHz
Modulation DVB-T/T2	COFDM / OFDM (EN 300 744)
Symbol rate DVB-T/T2	according modulation standard
Modulation DVB-C	16-, 64-, 256 QAM (EN 300 429)
Symbol rate DVB-C	1...7,2 Mbaud
FEC DVB-T	RS 204, 1885,8 / Convolution
FEC DVB-T2	LDPC / BCH
FEC DVB-C	RS 204-16
<b>CI Processing</b>	
Number of PCMCIA slots	4
<b>TS Processing</b>	
TS stuffing	Yes
SI-Table handling	Yes
NIT handling	Yes
PID remapping	Yes
<b>QAM Processing</b>	
Constellations	64-, 256- QAM
Symbol rate	4,45...7,20 MSymb/s
MER	>40 dB
<b>COFDM Processing</b>	
Constellations	QPSK, 16-, 64-QAM

Technical data	
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/8, 1/16, 1/32
FFT Mode	2k, 8k
MER	>40 dB
<b>Output</b>	
Impedance	75 Ω
Output frequency range	110...862 MHz (COFDM); 50...862 MHz (QAM)
Output frequency steps	1 MHz
Output level	90...105 dBμV
Number of Channels	8 pcs.
Channel allocation	adjacent (2 blocks per 4 channels)
Return loss	≥14 dB (45 MHz), 1,5 dB/Octave but >10 dB
Output attenuation	0...15 dB (1 dB step)
<b>Connectors</b>	
F-socket	5 pcs. (4x Input, 1x Output)
RJ45	1 pcs.
USB	1 pcs.
<b>General data</b>	
Supply voltage	110...240 V (50/60 Hz)
Dimensions (width x height x depth)	272 x 196 x 75 mm
Power consumption	Typ. <40 W (Max. 50 W with 4 LNBS)
Operating temperature range	5...45 °C

## Application Diagram



To arrange an online demonstration  
or discuss your project, please  
contact [export@wisi.de](mailto:export@wisi.de)

