



# OM 10 0648

## Compact CATV Headend

Receive pay-TV from satellite 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-S/S2 inputs and play out as 8 QAM/COFDM outputs.

The **OM 10 0648** comes with four CI slots for decryption of pay-TV over satellite. 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

Input	
Impedance	75 Ω
Input frequency range	950...2150 MHz
Input frequency steps	1 MHz
Input level range	50...90 dBμV
Modulation DVB-S	QPSK
Symbol rate DVB-S	1...53 MSps
Modulation DVB-S2	QPSK, 8PSK (EN 302 307), 16APSK, 32 APSK
Symbol rate DVB-S2	1...53 MSps (QPSK); 1...45 MSps (8PSK); 1...35 MSps (16APSK); 1...28 MSps (32APSK)

CI Processing	
Number of PCMCIA slots	4

TS Processing	
TS stuffing	Yes
SI-Table handling	Yes
NIT handling	Yes
PID remapping	Yes

QAM Processing	
Constellations	64-, 256- QAM
Symbol rate	4,45...7,20 MSymb/s
MER	>40 dB

COFDM Processing	
Constellations	QPSK, 16-, 64-QAM
FEC	1/2, 2/3, 3/4, 5/6, 7/8

## Technical data

Guard Interval	1/8, 1/16, 1/32
FFT Mode	2k, 8k
MER	>40 dB

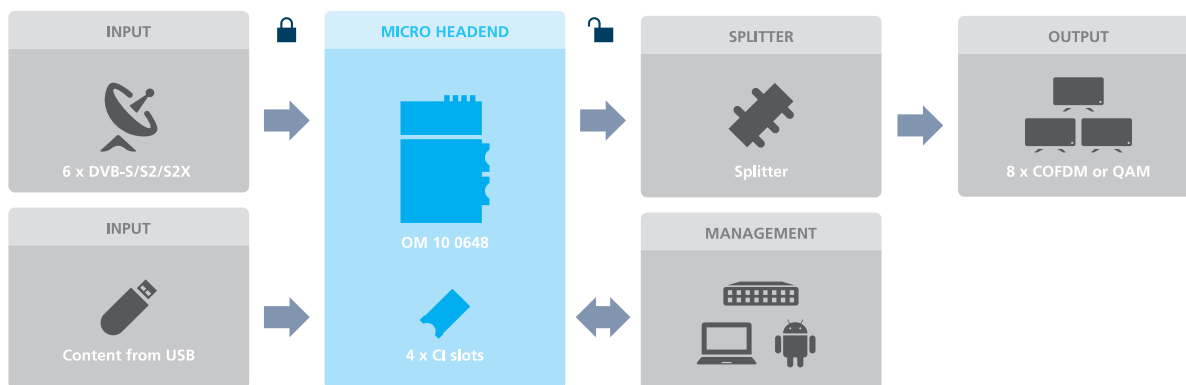
Output	
Impedance	75 Ω
Output frequency range	110...862 MHz (COFDM); 50...862 MHz (QAM)
Output frequency steps	1 MHz
Output level	90...105 dBμV
Number of Channels	8 pcs.
Channel allocation	adjacent (2 blocks per 4 channels)

Return loss	≥14 dB (45 MHz), 1,5 dB/Octave but >10 dB
Output attenuation	0...15 dB (1 dB step)

Connectors	
F-socket	5 pcs. (4x Input, 1x Output)
RJ45	1 pcs.
USB	1 pcs.

General data	
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)

