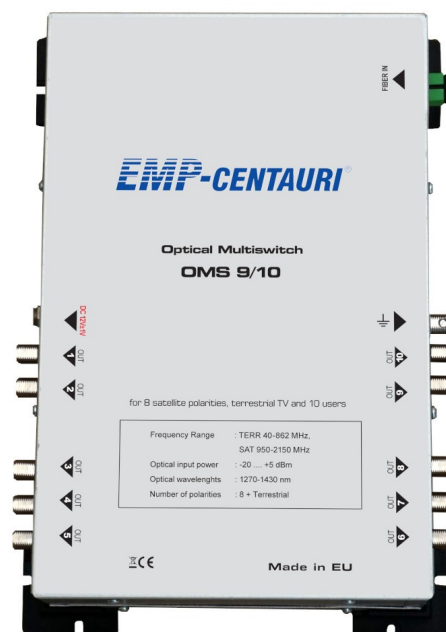


## Brief description

Optical multiswitch system to receive complete TV signals of two satellites via single optical link. The optical multiswitch is a device with integrated optical receiver and multiswitch in one common housing. It is equipped with just one input for connecting of single mode optical cable from optical transmitter output. The complete TV signals of two satellites and terrestrial TV are received from the optical transmitter via the SC/APC optical input. The subscriber coaxial outputs are made of 75 ohm F connectors. The optical multiswitch is offered with 10 subscriber outputs for direct connection of satellite set top boxes.



## Technical data

| Parameter                                                              | Value                                            |
|------------------------------------------------------------------------|--------------------------------------------------|
| Inputs                                                                 | 1 optical (SC/APC), single mode                  |
| Optical wavelengths                                                    | 1270 – 1430 nm                                   |
| Outputs                                                                | 10 x F-connector (16 x SAT, 1 x TERR)            |
| Outputs – Frequency range                                              | SAT 950 – 2150 MHz, TERR 40 – 862 MHz            |
| Optical input power                                                    | -20 .... +5 dBm                                  |
| Output Signal Level Range                                              | +58 .... +100dBuV                                |
| Compatible optical transmitter                                         | OT9/1FUC-4                                       |
| Maximum number of optical splits between OT9/1FUC-4 and OMS9/10        | 64                                               |
| Current consumption                                                    | 0.18 A (12 V DC)                                 |
| Dimensions (w,d,h)                                                     | 25.5 x 18,0 x 7,0 cm                             |
| Operating temperature range                                            | -25 – +60 °C                                     |
| Housing material                                                       | Aluminium                                        |
| <b>RF Signal level performance based on optical link configuration</b> |                                                  |
|                                                                        | <b>Recommended input RF level of OT9/1FUC-4:</b> |
|                                                                        | min. max. RF gain / loss                         |
| Transmitter – Optical multiswitch, direct connection                   | 45 dBuV 85 dBuV 15 dB (gain)                     |
| Transmitter – 2way splitter (PLC) – Optical multiswitch                | 50 dBuV 85 dBuV 4 dB (gain)                      |
| Transmitter – 4way splitter (PLC) – Optical multiswitch                | 55 dBuV 85 dBuV -2 dB (loss)                     |
| Transmitter – 8way splitter (PLC) – Optical multiswitch                | 60 dBuV 85 dBuV -8 dB (loss)                     |
| Transmitter – 16way splitter (PLC) – Optical multiswitch               | 65 dBuV 85 dBuV -14 dB (loss)                    |
| Transmitter – 32way splitter (PLC) – Optical multiswitch               | 70 dBuV 85 dBuV -20 dB (loss)                    |
| Transmitter – 64way splitter (PLC) – Optical multiswitch               | 75 dBuV 85 dBuV -25 dB (loss)                    |

**Postal address:** EMP-Centauri s.r.o. 5. května 690 339 01 Klatovy Czech Republic

**Management:** Tel.: +420 376 323 813 Tel.: +420 603 497 419 E-mail: [info@emp-centauri.cz](mailto:info@emp-centauri.cz)

**Sales department:** Tel.: +420 376 323 813 Tel.: +420 603 497 419 Tel.: +420 776 619 976 (EN) Tel.: +420 778 066 654 (CZ) E-mail: [sales@emp-centauri.cz](mailto:sales@emp-centauri.cz)

**Purchase department:** E-mail: [purchase@emp-centauri.cz](mailto:purchase@emp-centauri.cz)

**Technical support:** Tel.: +420 376 323 853 (during workhours) Hotline: +420 603 497 419 (available anytime) E-mail: [support@emp-centauri.cz](mailto:support@emp-centauri.cz)