



## OneSwitch



OneSwitch 4000A



OneSwitch 2E  
OneSwitch 2U



OneSwitch 3U

OneSwitch is the clever N+1 or N+2 Switchover unit from ONEtastic. In any main broadcasting station, redundancy is the key to prevent from break of the transmission.

OneSwitch has been engineered to bring the maximum reliability for your transmission, by providing redundancy at 4 levels:

- **N+1 or N+2:** Within a single compact 2U or 3U Rack, OneSwitch offers to broadcasters the ability to bring N+1 or N+2 redundancy management, with up to 7+1 or 6+2 transmitters (OneSwitch is optimized for OneDriver, OneCompact or OnePower).

- **Input Stage:** Redundancy at the input stage is also offered (in case two separate distribution networks are used), thanks to 2 independent and parallel

ASI/BTS/ETI matrixes or RF switching matrix or RF passive splitting input circuits implemented in OneSwitch.

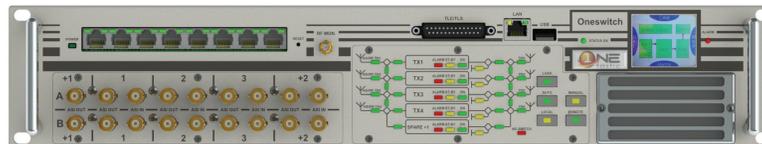
- **Power Supply:** OneSwitch does not embed any Power Supply Unit (PSU), as it is capable of using one of the PSUs of the transmitters connected to it. Therefore, in a 4+1 configuration, OneSwitch divides by 5 the risk of failure!

- **Data Communication:** an IP switch is implemented within OneSwitch for fast and reliable data communication with every transmitter connected. In case the IP link fails, a Serial communication link automatically takes the lead.

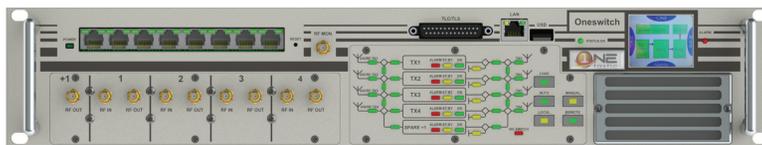
You now have 4 good reasons to secure your broadcasting transmission by using OneSwitch!

## MAIN FEATURES

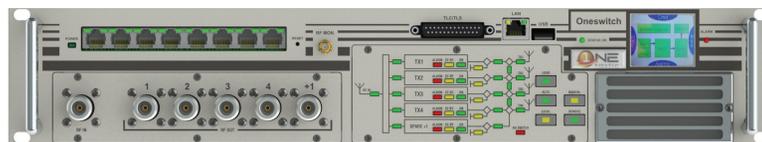
- Compact 2U or 3U 19" Rack chassis
- N+1 or N+2 redundant configuration (with up to 7+1 or 6+2 transmitters)
- Several configurations with different input interfaces:
  - Double ASI/BTS/ETI input matrix
  - RF switching input matrix
  - RF passive input splitting
  - Analogue Video and Audio input matrix
- Embedded RF output matrix
- IP or Serial Link data communication
- SNMP, Web Interface and Touch Screen display



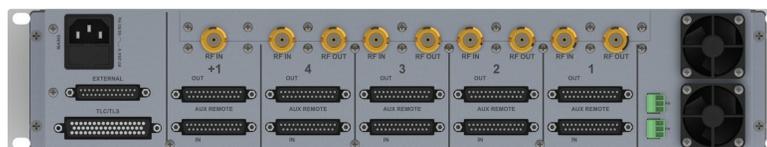
OneSwitch 4000 Series with double ASI/BTS/ETI input matrix



OneSwitch 4000 Series with RF switching input matrix



OneSwitch 4000 Series with RF passive input splitting



OneSwitch 4080 Series back panel

# SPECIFICATIONS

## GENERAL

<b>Configuration:</b>	N+1, N+2, N+1+M+1 N<8 Oneswitch 2U and 2E N<5 Oneswitch 3U and 4000 Series
<b>RF output matrix:</b>	Integrated, PCB relays system for power up to 80W or 350W rms or External coaxial relays
<b>RF impedance:</b>	50 Ohm
<b>RF connectors:</b>	N (f) up to 130W rms 7/16 (f) up to 350W rms According to Coaxial relays (Oneswitch 2E and 4000)
<b>Input matrix:</b>	DVB-ASI / BTS / SMPTE-310M / ETI or RF switching matrix or RF passive distribution or Analog Video & Audio (optional)
<b>Input connectors:</b>	BNC (f) 75 Ohm, or N (f) 50 Ohm, or SMA (f) 50 Ohm (according to needed configuration)
<b>Slave management:</b>	Ethernet 10/100/1000 BaseT RS-485 Dry Contact consensus
<b>IP communication:</b>	Integrated 8 or 16 ports IP Switch
<b>IP connectors:</b>	RJ-45
<b>AUX connectors:</b>	DB-25
<b>Data logger:</b>	Integrated with storage of events and alarms
<b>Firmware upgrade:</b>	via USB port or via Web GUI

## CONTROLS

<b>Management:</b>	TFT touchscreen display GUI Java interface SNMP GPIO
--------------------	---

## SERIES 4000 SPECIFIC DATA

<b>Control:</b>	Local or Remote, Automatic or Manual
<b>Status overview:</b>	Synoptic, on the front panel
<b>Priority management:</b>	Fully customizable
<b>Thresholds and retries:</b>	Fully customizable
<b>Dummy load:</b>	Internal with possibility to connect any unit of the system (Oneswitch 4080, 4130 and 4350 only)

## ELECTRICAL

**No power supply integrated.  
DC supplied by slaves through AUX connectors**

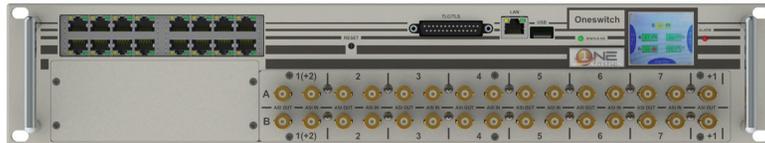
## MECHANICAL

<b>Chassis:</b>	2U rack 19" (Oneswitch 2E, 2U, 4000 Series) 3U rack 19" (Oneswitch 3U)
<b>Width:</b>	483 mm
<b>Depth:</b>	350 mm
<b>Height:</b>	88,1 mm (Oneswitch 2E, 2U, 4000 Series) 132,5 mm (Oneswitch 3U)
<b>Weight:</b>	6 Kg

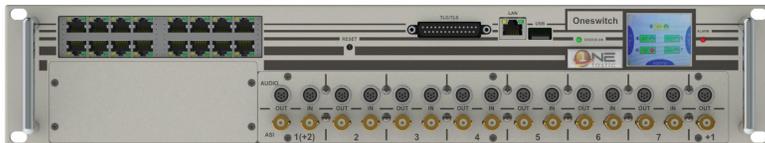
## ENVIRONMENTAL

<b>Operating temperature range:</b>	-5°C ÷ 45°C
<b>Max. relative humidity:</b>	90% non condensing

Specifications are subject to change without notice.



OneSwitch 2U with double ASI/BTS/ETI input matrix



OneSwitch 2U Video/Audio



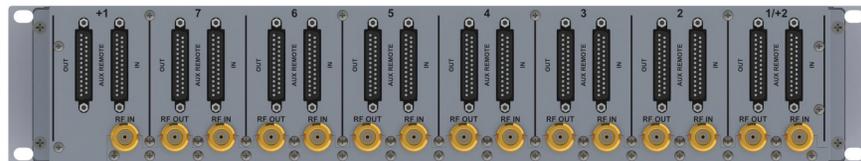
OneSwitch 3U with double ASI/BTS/ETI input matrix



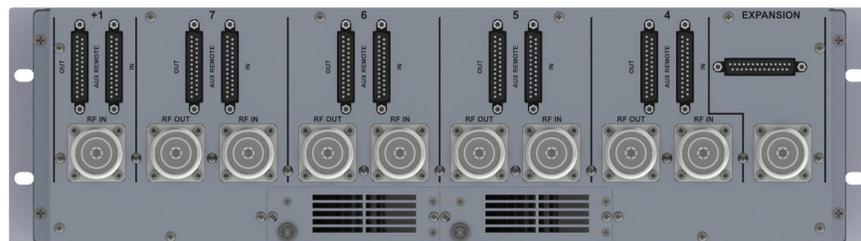
OneSwitch 3U Video/Audio

## ORDERING INFO

DESCRIPTION	Model
RF IN/OUT Automatic switch-over matrix for systems composed by up to 4+1 repeaters/gap-fillers, including IP switch 8 ports and RF input splitter - External relays version (relays NOT incl.)	ONESWITCH 4000R
RF IN/OUT Automatic switch-over matrix for systems composed by up to 4+1 repeaters/gap-fillers, including IP switch 8 ports, RF input splitter and internal dummy load - Max. input 80W rms per channel	ONESWITCH 4080R
RF IN/OUT Automatic switch-over matrix for systems composed by up to 4+1 repeaters/gap-fillers, including IP switch 8 ports , RF input splitter and internal dummy load - Max. input 130W rms per channel	ONESWITCH 4130R
RF IN/OUT Automatic switch-over matrix for systems composed by up to 4+1 repeaters/gap-fillers, including IP switch 8 ports , RF input splitter and internal dummy load - Max. input 350W rms per channel	ONESWITCH 4350R
RF IN/OUT Automatic switch-over matrix for systems composed by up to 4+1 repeaters/gap-fillers, including IP switch 8 ports and RF input matrix - External relays version (relays NOT incl.)	ONESWITCH 4000RS
RF IN/OUT Automatic switch-over matrix for systems composed by up to 4+1 repeaters/gap-fillers, including IP switch 8 ports, RF input matrix and internal dummy load - Max. input 80W rms per channel	ONESWITCH 4080RS
RF IN/OUT Automatic switch-over matrix for systems composed by up to 4+1 repeaters/gap-fillers, including IP switch 8 ports , RF input matrix and internal dummy load - Max. input 130W rms per channel	ONESWITCH 4130RS
RF IN/OUT Automatic switch-over matrix for systems composed by up to 4+1 repeaters/gap-fillers, including IP switch 8 ports , RF input matrix and internal dummy load - Max. input 350W rms per channel	ONESWITCH 4350RS
ASI/RF Automatic switch-over matrix for systems composed by up to 4+1 transmitters, including IP switch 8 ports and ASI input matrix - External relays version (relays NOT incl.)	ONESWITCH 4000A
ASI/RF Automatic switch-over matrix for systems composed by up to 4+1 transmitters, including IP switch 8 ports, ASI input matrix and internal dummy load - Max. input 80W rms per channel	ONESWITCH 4080A
ASI/RF Automatic switch-over matrix for systems composed by up to 4+1 transmitters, including IP switch 8 ports, ASI input matrix and internal dummy load - Max. input 130W rms per channel	ONESWITCH 4130A
ASI/RF Automatic switch-over matrix for systems composed by up to 4+1 transmitters, including IP switch 8 ports, ASI input matrix and internal dummy load - Max. input 350W rms per channel	ONESWITCH 4350A
ASI/RF Automatic switch-over matrix for N+1 or N+2 systems (up to 7+1 or 6+2), including IP switch 16 ports, - External relays version (relays NOT incl.)	ONESWITCH 2E
ASI/RF Automatic switch-over matrix for N+1 or N+2 systems (up to 7+1 or 6+2), including IP switch 16 ports - Max. input 80W rms per channel	ONESWITCH 2U
ASI/RF Automatic switch-over matrix for N+1 systems (up to 4+1), including IP switch 16 ports - Max. input 350W rms per channel	ONESWITCH 3U
<b>OPTIONS</b>	
External 4 ports coaxial relay for ONESWITCH 2E or 4000, N connectors	Opt. R01
External 4 ports coaxial relay for ONESWITCH 2E or 4000, 7/16 connectors	Opt. R02
External 4 ports coaxial relay for ONESWITCH 2E or 4000, 7/8" connectors	Opt. R03
External 4 ports coaxial relay for ONESWITCH 2E or 4000, 1+5/8" connectors	Opt. R04
External 4 ports coaxial relay for ONESWITCH 2E or 4000, 3+1/8" connectors	Opt. R05



OneSwitch 2U back panel



OneSwitch 3U back panel



**ONetastic S.r.l.**

Via Ghislandi, 47 · 25125 Brescia (BS) · Italy  
 Phone: +39 030 3539080 / Fax: +39 030 2683019  
[www.onetastic.com](http://www.onetastic.com) - [info@onetastic.com](mailto:info@onetastic.com)