

License	Ord.nr.	Description	
U SSL	380 133	To enable the SSL function activating the TLS protocol (SSL) for encrypted communication via https	<input checked="" type="checkbox"/>
U Radius	380 136	For unlocking the RADIUS client-server-protocol	<input checked="" type="checkbox"/>
U SPTS	380 146	To enable the SPTS streaming function	<input checked="" type="checkbox"/>
U 149 SPTS	380 153	U 149-X license to enable the SPTS streaming function	-
U Streamer MUX	380 147	For upgrading the Multiplex function in the frontend; EIT-calculation for the new output signals	2 x 4 in 4
U Carrier Monitoring	380 132	For unlocking the monitoring function; in case of deviating input signals from a reference value, the switch-off of the corresponding IP Tx is executed, ideal solution for IP-based satellite monitoring systems	-
U Blindscan	380 135	For unlocking the Blind Scan function; the streamer recognizes missing, additional and changed transponders after a reference scan of the spectrum; configurable scan range (frequency and symbol rate)	-
U Streamer BISS	380 134	For unlocking the BISS function of U 100 streamer modules	<input checked="" type="checkbox"/>
U Wideband Mode	380 156	For unlocking wideband mode; reception of DVB-S2X transponders with max. data rate of 200 Mbit/s	-

Type	U 168-X		
Order number	380 172		
EAN-Code	4026187194505		
Number of DVB-CT2 input signals	4		
Number of DVB-CT2 tuners	8		
Number of IP output streams	8 MPTS, 504 SPTS		
Interfaces			
Management	2 x 100 Base-T Ethernet (RJ 45)		
Data	2 x 1000 Base-T Ethernet (RJ 45)		
Protocols	IEEE802.3 Ethernet, RTP, ARP, IPv4, TCP/UDP, HTTP, SNMP, IGMPv3		
Transportstream Encapsulation			
Protocols	UDP, UDP / RTP, 1-7 packets, FEC		
Packet length	[Bytes]	188 / 204	
DVB-C demodulator			
Frequency range	[MHz]	47 - 862	
Input data rate	[Mbaud]	0,5 - 7	
Modulation modes (accord. DVB-standard)	QPSK, QAM16, QAM32, QAM64, QAM128, QAM256		
Input symbol rate	[MS/s]	1,8 - 7,2	
DVB-T demodulator / DVB-T2 demodulator (Scrambling of L1 post signalling; conforms to ETSI EN 302-755 v1.31)			
Frequency range	[MHz]	47 - 862	
Modulation	DVB-T: 4-, 16-, 64-QAM; DVB-T2: 4-, 16-, 64-, 256-QAM DVB-T2 scrambling of L1 post signalling		
Guardinterval	DVB-T: 1/4; 1/8; 1/16; 1/32; DVB-T2: 1/4; 5/32; 1/8; 5/64; 1/16; 1/32; 1/64; 1/128		
FEC	DVB-T: 1/2; 2/3; 3/4; 5/6; 7/8; DVB-T2: 1/2; 3/5; 2/3; 3/4; 4/5; 5/6		
FFT-Mode	DVB-T: 2k, 8k; DVB-T2: 1k, 2k, 4k, 8k, 16k, 32k		
Bandwidth	[MHz]	DVB-T: 6; 7; 8; DVB-T2: 5; 6; 7; 8	
Remote voltage supply	5V, typical, 100mA, switchable		
Input symbol rate	[MS/s]	DVB-T: 6, 7, 8; DVB-T2: 5, 6, 7, 8	
RF inputs			
Connectors	[Ω]	75, 2 x F-jack	
Common data			
Current consumption at 48 V	[mA]	710	
Power consumption at 36 - 60 V	[W]	34 per module	
Input voltage	[V]	36 - 60	
Dimensions	1 HU, 19 inch		
Ambient temperature	[°C]	0 ... +45	