

Software versions
ASTRO EdgeCOFDM U174
00:17:72:02:00:c7
SW: 4480Beta
FW: 4427
HW: 4
DAT_U174: 4480
OFDM_S: 4473

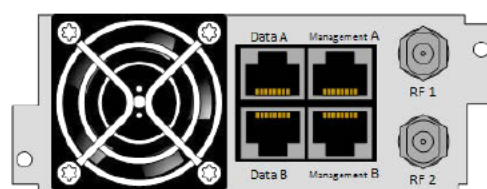
U174

U 174

Made in Germany

Direct Digital **DD**
by ASTRO

- plug-in module for U 100 system
- for processing of up to 4 IP multicast MPEG TS into 4 standard COFDM/ISDB-T channels
- high end performance, easy installation, maximum reliability
- outstanding signal parameters by Direct Digital technology (MER: ≥ 43 dB; shoulder attenuation: ≥ 56 dB)
- RTP, FEC, IGMPv3
- optionally available output channel filters (U-KF) allow maintaining the high end signal quality even after combining large quantities of channels
- user friendly configuration via web browser; easy service handling



Type		U 174	
Order number		380 174	
EAN-Code		4026187611026	
Network interfaces (passive routing to U 1xx)			
Management		2 x 100 Base-T Ethernet (RJ 45)	
Data		2 x 1000 Base-T Ethernet (RJ 45)	
Protocol		IEEE802.3 Ethernet, RTP, ARP, IPv4, TCP/UDP, HTTP, SNMP, IGMPv3	
Transportstream editing			
TS capsulation		UDP, UDP / RTP, 1-7 packets, FEC	
Packet length	[Bytes]	188 / 204	
COFDM modulator		ISDB-T	DVB
COFDM Mode		2k, 4k, 8k	2k, 8k
Carrier modulation		QPSK, DQPSK, 16-, 64-QAM	QPSK, 16-, 64-QAM
Bandwidth	[MHz]	6, 7, 8	6, 7, 8
Maximum brutto data rate	[Mbit/s]	30,980	31,668
Signal processing		accord. ARIB STD-B31 Ver. 2.2-E1 ("Time Interleaver", "Hierarchical transmission" und "Auxiliary channel" are not supported)	accord. DVB standard
FEC		Reed-Solomon (204, 188) Code, Faltungscode	Reed-Solomon (204, 188) Code, Faltungscode
Coding rates		1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8
Guard intervals		1/4, 1/8, 1/16, 1/32	1/4, 1/8, 1/16, 1/32
Data rate adjustment		☒	
PCR-correction (< 500 ns accord. DVB)		☒	
NIT-Handling (static)		☒	
PID Remapping		☒	
PID Filtering		Drop or Pass PID-Filter	
MER (Equalizer)	[dB]	≥ 43	
Shoulder attenuation	[dB]	> 56 (< 700 MHz); > 54 (≥ 700 MHz)	
HF modulator			
Connectors	[Ω]	75, 2 x F-jack	
Frequency range	[MHz]	47 - 862, digitally modulated	
Frequency deviation	[kHz]	< 10	
Output level	[dBμV]	114	
Intermodulation distance	[dB]	> 60	
Return loss	[dB]	> 14	
Spurious frequency distance	[dB]	> 60	
Common data			
Current consumption at 48 V	mA	680	
Power consumption at 36 - 60 V	W	28 per module	
Input voltage	V	36 - 60	
Dimensions		1 HU, 19 inch	
Ambient temperature	°C	0 ... +45	