

*more fibre more speed***AF530-00 / AF530-TV****GEPON / ONU**

***Das AF530-00 und AF530-TV ist das „ALL-IN-ONE“ ONU.
Triple Play ONU: 4xGE, 1x WIFI, 2x POTS, Optional: 1x TV, Single
Fibre Solution***



AF530-00 (Symbolfoto)



AF530-TV (Symbolfoto)

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Dieses ONU kann alle Ihre Befürfnisse abdecken. NAT Modem, Bridge Modem, Kombination von NAT und Bridge. Auch mehrere Wireless SSIDs (bis zu 4) können konfiguriert werden und unterschiedlich genutzt werden. zB SSID1 für den Kunden und SSID2 für ein Open Access Network. Auch Point to Point Lösungen (Business Lösungen) können vom Modem perfekt abgedeckt werden.

Und wenn in der Modellbezeichnung TV steht, dann ist ein CATV Empfänger eingebaut, der das Fernsehsignal Kristallklar zum Kunden bringt. Natürlich ist AGC auch OnBoard, damit der Pegel nicht irgendwie bei Ihrem Kunden ankommt.

Specifications

Optical Interface

Data TX operation wavelength	1310nm $\pm$ 20nm
Data RX operating wavelength	1490nm $\pm$ 10nm
Optical RX sensitivity	< -24 dBm @ 1490 nm
Data RX saturation	$\geq$ -6 dBm @ 1310 nm
Data TX output	-1 dBm to 4 dBm @ 1310 nm
Data speed Downstream and Upstream	1,25 Gbps (1 Gbps)
Optical connector AF530-00 (without CATV)	SC/PC (blue)
Optical connector AF530-TV (with CATV)	SC/APC (green)

CATV Link Performance (only for AF530-TV)

42 CENELEC channels (as per EN50083-3)	
CNR	> 48 dB
CSO	< -55 dBc
CTB	< -61 dBc
110 NTSC channels (as per NCTA standard)	
CNR	> 48 dB
CSO	< -55 dBc
CTB	< -61 dBc

CATV Performance (only for AF530-TV)

CATV input	-8 to 0 dBm
CATV ON/OFF control	ON/OFF by microcontroller (Software)
CATV wavelength	1550 $\pm$ 5 nm
RF output	80 dB μ V @ -5 dBm(1)
RF bandwidth	45 ~ 1000 MHz
RF flatness	$\pm$ 1 dB
RF return loss	> 14 dB
Optical isolation (CATV and data)	> 30 dB
Receiver noise current	4,0 pA/Hz
RF connector	SCTE F-type

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User-Side Ports

Interface	4x10/100/1000 Mbps, full/half duplex with auto-negotiation, auto MDI/MDIX
IEEE802.1D	64 MAC addresses total per ONU (RSTP enabled by default)
IEEE802.1Q	VLAN support, QinQ support
QoS	IEEE802.1p
Frame size	64 to 1522 bytes
Data security	128-bit AES
Connectors	4x RJ45

VoIP Performance

VoIP	SIP v2
Codec	G711 and G729
Features	Call forward unconditional Call forward on busy Call forward on no answer Call hold / release Call waiting Caller ID Line Echo Cancellation (LEC) Adaptive jitter buffer Packet Loss Concealment Comfortable Voice Generator Modem/Fax support (T.38)
Provisioning	TFTP config server, TR069, Web Interface
Interfaces	2x RJ11 connectors (two separate phone lines!)

General

Input Voltage	11V-15Vdc
Mains power adapter	100~240 Vac, 50~60 Hz, 0.5 A max.
Power consumption AF530-00	~8,5W
Power consumption AF530-TV (with CATV)	~12W
Operating temperature	-10 °C to +50 °C
Storage temperature	-20 °C to +60 °C
Operation / Storage humidity	10 % to 90 % (non-condensing)

Provisioning Solution

CN-ADMIN JM-DATA (www.jm-data.at)	FULL certified
VoIP AICALL (www.aicall.at)	FULL certified

JM-FIBRE© is a name of JM-DATA GmbH Group - www.jm-data.at – Phone: +43(0)50/305080-0
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