

# MDU DISTRIBUTION AMPLIFIER [AE10xx/20-x/x-x]

Cable Products, Amplifiers

# Taikan

ESTD. 1973

## Description

Taikan's AE10xx/20-x/x-x has been specifically designed for use in multi dwelling environments such as hospitals, apartment complexes and hotels. This high gain unit has a bandwidth of 1000 MHz, allowing effective transmission of large volumes of data within the CATV network. The built-in equalizer and attenuator (gain/tilt) allow for increased flexibility and easy adjustment of the signal output. The unit includes a European (220 V) or US (110 V) power adapter.

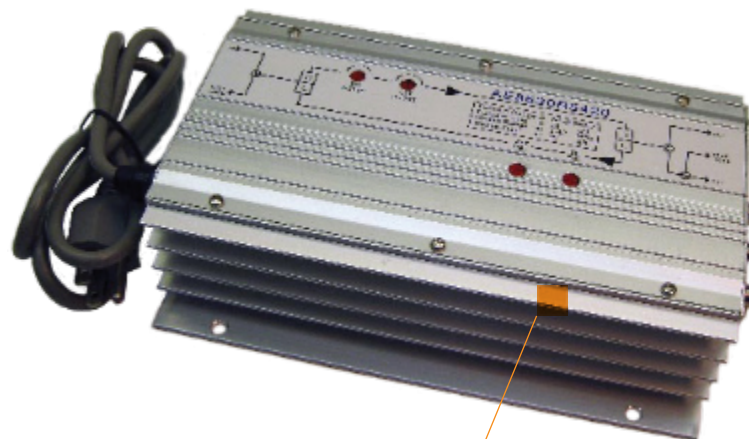
## Features

- Forward (Downstream) Frequency: 54/85/105 - 1000 MHz
- Return (Upstream) Frequency: 5 - 42/65/85 MHz
- Forward (Downstream) Gain: 30 or 40 dB and Tilt Adjuster
- Return (Upstream) Gain: 20 dB
- Extremely Low Distortion and Harmonic Content
- Suitable for HDTV, CATV, Off-air Analog, and Digital RF Distribution Applications
- Adjustable Tilt and Gain Control

## Ordering Information

AE10 xx / 20 - x/x - x

U: US Power Adapter 110V; E: Europe Power Adapter 220V  
 42/54 (5-42 / 54-1002); 65/85 (5-65 / 85-1002); 85/105 (5-85 / 105-1002)  
 30 dB; 40 dB



### Model Number

### Standard Qty

### Weight

### Unit Dimensions

AE10xx/20-x/x-x

1

1 kg (2.2 lb)

23 x 14 x 6.5 cm (9 x 5.5 x 2.5 in.)

## Specifications

Forward (Downstream) Frequency	54/85/105 - 1000	MHz	Equalizer Adjustment (EQ)	0 - 20.0	dB
Frequency Response	± 0.75	dB	Attenuator Adjustment (ATT)	0 - 20.0	dB
Forward (Downstream) Gain	30 or 40 ± 1.5 ±	dB	Input & Output Impedance	75	Ohms
Passband Flatness	1.0	dB	Impedance Test Point	-20	dB
Input Return Loss	≥ 15	dB	Connector:	Input, Output, & Test Points (all "F" type)	
Output Return Loss	≥ 15	dB	Power Supply:	190 ~ 230 VAC or 110 VAC	
Forward (Downstream) Noise Figure	< 6.0	dB	Operating Temperature:	-10 ~ 50 °C (14 ~ 122 °F)	
Return (Upstream) Frequency	5 - 42/65/85	MHz	AC Fuse (Internal):	1 A	
Return (Upstream) Gain	20 ± 1.5 < 8.0	dB			
Return (Upstream) Noise Figure		dB			