Asteroid-1U – the channel bank for Asterisk



Asteroid-1U is designed for connection of telephone lines and GSM channels to Asterisk/Freeswitch. Server connection is made through Ethernet port using TDMoE protocol. The device is delivered as a chassis for 4 slots and a set of plug-in modules.

Basic features

- Up to 32 FXS/FXO ports, up to 8 GSM ports
- Connection via Ethernet 10/100
- Hardware echo canceller
- Several banks may be connected to one Asterisk server
- Point-to-point mode for complementary FXO/FXS ports if Asterisk server is not used

Line of products

Designation	Number of serviced ports	Description
Asteroid-1UT	32 FXO/FXS, 8 GSM, 4 slots for modules	Modular chassis with controller, power supply, Ethernet.
Asteroid-1UT-EC	32 FXO/FXS, 8 GSM, 4 slots for modules	Modular chassis with controller, power supply, Ethernet and echo canceller module.
MFXO-8	8	Module for connection of external lines
MFXS-8	8	Module for connection of internal lines (telephone sets)
MGSM-2	2	GSM module

Technical characteristics

General		
Dimensions	430x250x45 mm	
Weight	3 kg	
Power consumption	50 W	
working temperature	+5°C to +45°C	
relative humidity	Up to 80%	
power voltage (AC socket)	220V +- 20%	
Ethernet		
connector type	RJ45, 8 pins	
cable type	Symmetrical twisted pair (UTP)	
data transmission speed, mbit/s	100/10	
corresponding standard	IEEE 802.3	
FXS/FXO ports		
coding	PCM A or μ -law	
nominal signal level	0 dBm +- 0.5 dB	
nominal line impedance	600 Ohm	
echoed signal (3003400 Hz), FXS	Less than -20 dB	
echoed signal (3003400 Hz), FXO	Less than -12 dB	
gain-frequency variation	+- 1 dB in the range of 3003400 Hz	
noise level	Less than -47 dBm	
loop current (FXS)	20 mA	
ring voltage (FXS)	100 V (peak-to-peak), 25 Hz	
pulse dialing	Yes	
GSM ports		
Frequency range	850/900/1800/1900	
External antenna connector	SMA	
Signaling type on the side of Asterisk	E & M	

Delivery set

- Chassis Asteroid-1U, power cable 220V, USB console cable
- CD with the driver and the user manual
- Warranty certificate
- Shipping box 52x30x8 cm

Port modules and echo canceller modules are not included in the delivery set.

Warranty obligations

Repair or replacement of the device free of charge within 2 years from the purchase

Supplier

Parabel, ltd.

www.parabel.ru, tel./fax +7 383 213 87 07 Email: sales[AT]parabel.ru