



# BV1300

## FreePP VoIP MPES-PRI

V1.0

The BV1300 VoIP MPES-PRI is an ideal product, highly suited for ISDN applications with excellent performance, high efficiency, digital telephony interfaces, and it helps enterprises to lower communication costs over any IP link using FreePP service.

### Carrier-grade voice quality

The BV1300 is a multi-function device combining trunking gateway and ready-to-use service in a flexible and powerful platform, boasting the advanced voice quality and delivering high communication capacity for enterprise customers. It implements enhanced voice algorithm including acoustic echo control, dynamic jitter buffer and adaptive noise reduction to reach carrier-grade voice quality.

### Compatible to legacy PBX

The BV1300 offers a variety of user-configurable parameters for fine tuning, providing remarkable flexibility and full interoperability with existing legacy PBX. Additionally, it can support up to 30 calls over single PRI digital interface port with configurable T1 or E1 mode, allowing multinational PBX networks to use the same product throughout the network and simplifying purchasing and minimizing maintenance costs.

### User-friendly Management Interface

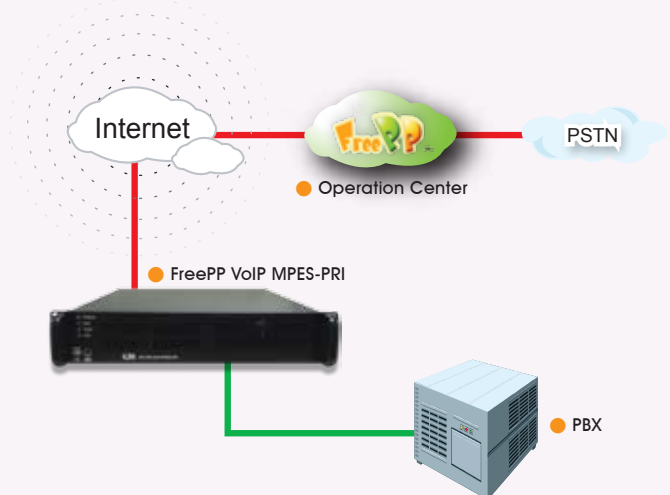
The BV1300 is designed with a web-based GUI which allows the administrator to configure and modify the functional settings intelligently, easily and immediately. Moreover, it provides detailed call record, call statistic data, call policy, localized dial plan and system log for administrator to increase employee productivity and lower telephone bills.



## Features

- ▲ User-friendly Management Interface
  - ◇ Ready-to-use FreePP service
  - ◇ Enhanced voice algorithms
  - ◇ Carrier-grade voice quality
  - ◇ Remote management capabilities
  - ◇ Up to 30 simultaneous calls
  - ◇ E1/T1 PRI port software configurable
- ▲ Voice Processing
  - ◇ Echo Cancellation
  - ◇ Dynamic Jitter Buffer
  - ◇ Voice Adjustable Design (VAD)
  - ◇ Comfort Noise Generation (CNG)
  - ◇ Multiple codec support
- ▲ Management
  - ◇ System log supported
  - ◇ Call log supported
  - ◇ Statistic Analysis
  - ◇ Call Restriction Policy
  - ◇ Download/upload the configuration file
  - ◇ Localized dial plan for FreePP Outbound service
  - ◇ Speed dial

## Application

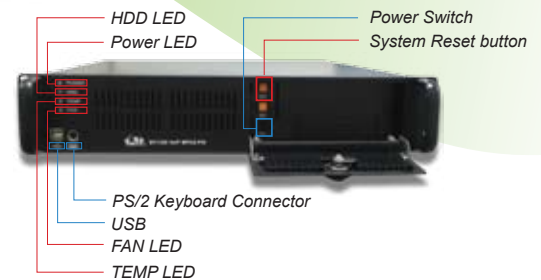




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### Specification

#### Hardware Specification

Feature		Description	
Network	Ethernet interface	2 Ethernet ports, 10/100 Base-T auto-sensing, IEEE 802.3 compatible	
Telephone	T1/E1 ISDN PRI	1 digital interface port supports both T1 and E1 mode.	
I/O interface	USB	For using firmware upgrade	
	PS/2	For PS/2 keyboard or mouse connection	
	VGA	For VGA monitor connection	
Miscellaneous	LED indicator	Power, HDD, Temperature, FAN	
Environment	Temperature	0 ~ 40°C (32 ~ 104o F), Operating	-20 ~ 60°C (-4 ~ 140o F), non-operating
	Humidity	10 ~ 85%@40°C, non-condensing	10 ~ 95%@40°C, non-condensing
Physical Characteristic	Dimensions	482x88x480 mm (19x3.46x18.9 inch)	
	Weight	13 kg / 28.6lb	
Power supply	Watt	400W	
	Input	AC 100 ~ 240V	
	Safety	UL / TUV / CB / CCC	

#### Hardware Specification

Feature	Description
Port connector	RJ-48
LED	Status LED, loop-back mode LED
Line Bit Rate	T1: 1.544Mbps, E1: 2.048Mbps
PRI Switch Compatibility	Network or CPE, EuroISDN (PRI or PRA) – Q.931/Q.921
	National ISDN 1, National ISDN 2
	Nortel DMS100, AT&T 4ESS
	Lucent 5E, Q.SIG
Line Coding	T1: Alternate Mark Inversion (AMI), Binary 8-Zero Substitution (B8ZS)
	E1: Alternate Mark Inversion (AMI), High-Density Bipolar 3 (HDB3)
Framing Formats	T1: D4, Extend Super Frame (ESF)
	E1: Common Channel Signaling (CCS), Channel Association Signaling (CAS)
Transmit Line Build-out	Selectable CSU Line Build-Out (LBO) for short/long-haul

**Browan Communications Inc.**  
 No.15-1,Zhonghua Rd.,  
 Hsinchu Industrial  
 Park,Hukou,Hsinchu,  
 Taiwan,R.O.C. 303  
 Tel: +886-3-6006899  
 Fax: +886-3-5972970

**Browan Communications Inc.,China**  
 4F, C Building.No.1618, Yishan Rd.,  
 Shanghai, China  
 Tel: +86-21-64656780  
 Fax: +86-21-54222254  
 ZIP:201103