



In hybrid VoIP & TDM era with diverse and rapidly-growing needs of unified communications and service, Delta Plus IP PBX adopts the latest modular architecture with built-in server is ready to maximize your VOIP and TDM network. Interface with FXO, FXS, T1, E1 and IP to deliver a cost-effective and comprehensive VoIP solution.

Delta Plus is composed of multiple components, includes DSP Board, power supply, User Cars and the boards are 16-channel analog boards, 4E1 digital boards

Key Features and Benefits

- Flexible configuration for any network

Compliant with diverse networks (FXO, FXS, T1, IP): support various multimedia processing capability (conferencing, fax, compression and Super TM echo cancellation for voice enhancement and an array of Protocols (SIGTRAN, ISDN PRI, CAS, SS7, V5.2, Q.SIG, R1, R2)

- Compliant with any IP-Based applications

With optional inbuilt industrial server, Delta Plus series are compliant with any IP-based applications; it also even supports any category of third party software, including UC, IP-PBX, Contact Center and more. In legacy PSTN network, Delta Plus could converge applications via internal modules

- Low to High Scalability

Modular architecture ensures flexibility and expandability from low density and high density. Modular design allows for easy

configurations, system upgrading or general maintenance

- Multimedia Convergence

Adopt 1000M-Ethernet switching chipset, Delta Plus's media stream exchanges in IP packets, and access to soft switching system via Media Gateway Controller, ensuring high-level applications are streamlined

- Diverse Media Resources

Support high-capacity voice playback and Codecs, conferencing, faxing; Support T.38/T.30; optimized for IP-PBX, IVR and ACD applications, with EXT IVR server or GUI management

- Carrier-Grade Reliability

Technical Specification

- Functional module available:
 - DP16: 16*FXO, 16*FXS, or hybrid 8*FXS+8*FXO
 - DP-30(1E1), DP-60(2E1), DP-120(4E1)
- Notice: a total of 5 slots for all these modules
- Inbuilt server to run Delta Softswitch:
- DP-CPU01: Powerful Intel (R) J1900 Processor, 2MB L2 cache, 64-bit instruction, Up to 8GB RAM

Multimedia & Signaling

Voice Processing

- CODECs: support G.711 U-Law and A-Law, G.711 Appendix 1, G.723.1 and G.723.1 Annex A, G.729 Annex A and Annex B, G.726, GSM, ARM, ILBC;
- Etc.;
- Voice file format: support standard WAV
- Compliant with G.168 echo cancellation, with up to 128ms tail length; Support AGC/ALS;
- Support full-duplex recording and replay;
- Support voice call recording
- Allow DTMF tone transmission/detection in three

modes: inner-band/SIP-INFO/out-of-band (RFC2833);

PBX Features

- Call Parking
- Follow me
- Unlimited IVR and sub-IVR
- Mobility extension
- Music on hold - Music on transfer
- Ring group call
- Call Transfer (blind or by consult)
- Three-way and Five-way calling
- Unlimited conference rooms
- Pickup and Directed Pickup
- Paging and Intercom system
- Voicemail
- Don't disturb (DND) function
- Call Recording feature
- UP to 120 VoIP channels
- Fax support
- Phone provisioning (PnP, FTP/TFTP, DHCP option 66)
- Call detail records (CDR) and own basic billing module (ANI, DNIS, date, time call, Pin set)
- Caller ID (in idle or busy status)
- Call waiting (alternate call)
- Call Forward (by busy, don't answer or unconditional status)
- Direct call forward to voicemail
- SIP trunk & PSTN

Conference/Fax resource

- Support distributed conferencing mode, with conferencing resource in each voice channel;
- Fully support SIP-based Fax T.38 standard;
- Support V29/V27/V17 standards, with faxing rate up to 33.6Kbps
- (Automatically slowing down);
- Support ECM (Fax/Error Correction Mode) for reception/transmission
- (Optional for EXM/non-ECM mode);

Network Interface

- E1 interface: Compliant with G.703, including 75Ω unbalanced interface and 120Ω balanced interface;

- Analog interface: Optional functional modules for FXO interface, FXS interface or high-impedance logging;
- 2 *LAN Ethernet (RJ-45);

Physical Specification

- Dimensions: 2U
- Net Weight: about 8Kg
- AC: 90-120V or 200~265V (SELECT RIGHT RANGE ON SHELF), Frequency: 50~60Hz;
- Power consumption: different for configuration, less than 350Watt; Environment Requirement
- Ventilation: normal;
- Operating temperature: 0°C~40°C;
- Relative humidity: 10%~85%;
- Avoid dust accumulation;
- Anti-electrostatic: please grounded;
- Installation recommendation: mounted on standard 19-inches rack; Anti-electrostatic: please grounded;

Quality and Warranty

- ISO 9001:2000
- Functional Module: 1-years
- CPU (including motherboard): 1-year
- 5 Years after Sales Service

About Delta

As a major manufacturer and supplier of communication products and solutions, Delta specializes in providing superior Multimedia Gateway, Integrated Multimedia Switch, and Telephony Hardware in use for Telecom communications. www.psdelta.com

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