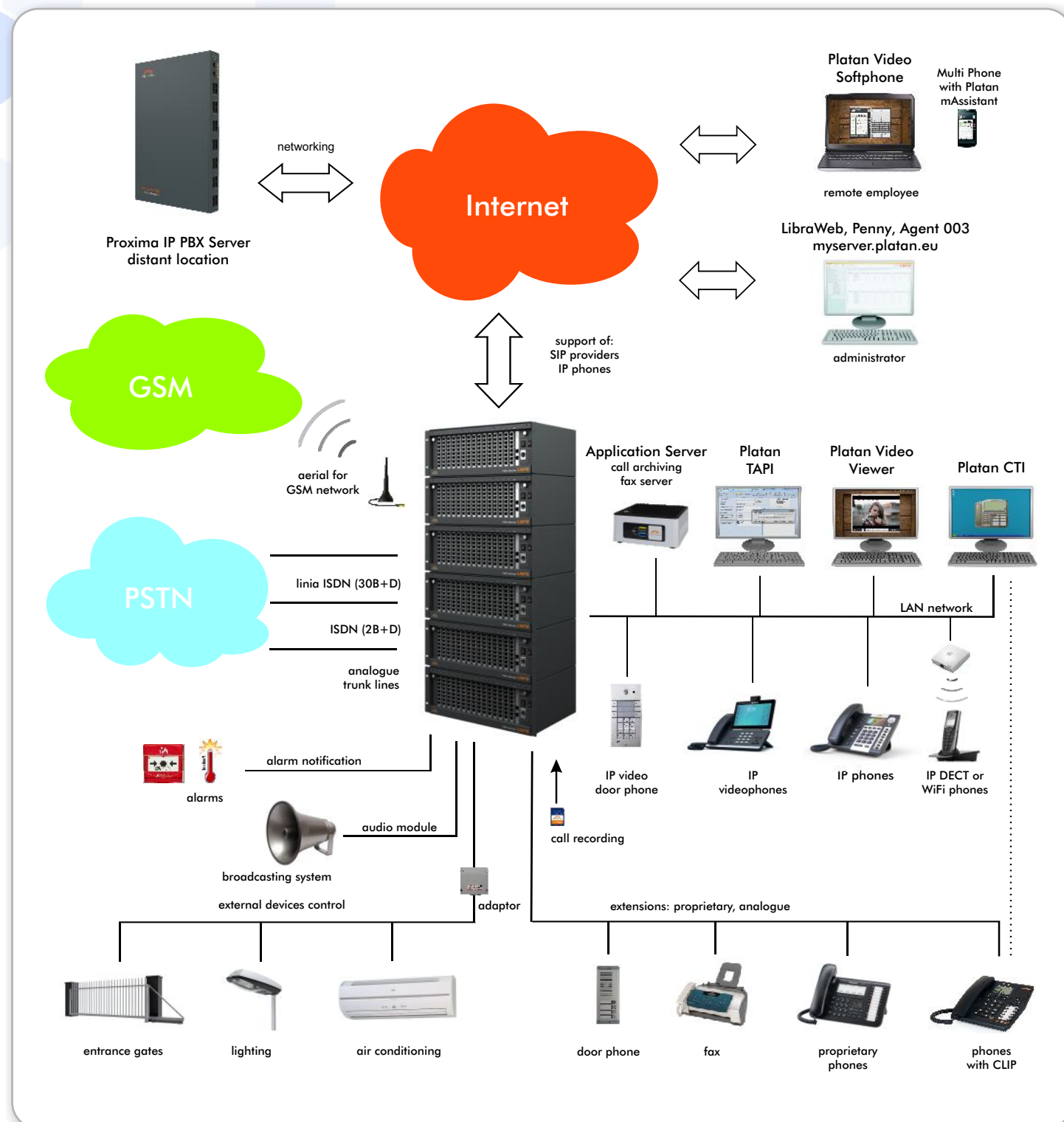


PBX Server Libra – element of an ICT system



| Configuration | Proxima | Proxima plus | one unit Libra (STD or RACK) | multi-unit Libra (STD or RACK) |
|---|--|------------------------------|--|---|
| Extensions <ul style="list-style-type: none">analoguedigital proprietarydigital ISDN (2B+D) – universalanalogue and proprietary in totalVoIP (IP EXT) audio ports and/or video | 28 28 16 28 200 | 28 28 16 28 1000 | 120 32 120 120 200 | unit / max. 120 / 720 32 / 128 120 / 128 120 / 720 1000 / 1000 |
| Trunk lines <ul style="list-style-type: none">analoguedigital ISDN (2B+D) – universaldigital ISDN (30B+D) USER / NETVoIP accounts (IP GW)GSM (number of SIM cards) | 14 16 1 64 4 | 14 16 2 64 14 | 64 120 8 64 6 | unit / max. 64 / 64 120 / 128 8 / 8 64 / 64 16 / 16 |
| VoIP <ul style="list-style-type: none">Number of VoIP channels on processor cardIntegrated VoIP cards (max. number of cards)Number of VoIP channels on one VoIP card | up to 10 1 up to 64 | – 4 up to 64 | up to 10 1 up to 64 | up to 10 2/6 up to 64 |
| Number of simultaneous calls | up to 32 | non-blocking | up to 128 | up to 64 / non-blocking |
| Networking Number of servers / number of users | 16 / 16 000 | 16 / 16 000 | 16 / 16 000 | 16 / 16 000 |
| Interactive Voice Response (IVR) Announcement levels / number of traffic scenarios Voice announcements (number / total time) | 600 / 64 99 / up to 1 h | 600 / 64 99 / up to 30 h | 600 / 64 99 / up to 1 h | 600 / 64 99 / up to 30 h |
| Call recording (number of channels) | up to 16 | up to 30 | up to 30 | up to 30 |
| Queuing (number of callers waiting in queues) | up to 40 | up to 40 | up to 40 | up to 40 |
| Voicemail (number of channels / total time) | 25 / up to 1 h | 25 / up to 30 h | 25 / up to 1 h | 25 / up to 30 h |
| Audio and external devices control | support of up to 8 sensors, control of up to 8 external devices | | support of up to 8 sensors, control of up to 8 external devices, 1 audio IN and 2 audio OUT (broadcasting) | |
| Power supply | Proxima | Proxima plus | one unit Libra (STD or RACK) | multi-unit Libra (STD or RACK) |
| Mains power supply | ~230 V ± 10%; 50 Hz; max. 50 VA | | ~230 V ± 10%, 50 Hz, max. 100 VA / server unit | |
| Backup power supply | UPS | | 2 batteries 12 V, 7 Ah / unit power maintenance from 5 h up to 9 h | |
| Backup powers supply panel dimensions (one panel supports 1 or 2 Libra units) height × width × depth [mm]; weight [kg] | n/a | | STD casing – built-in power supply | RACK – 80 (2U) × 483 (19") × 240; up to 16 |
| Server dimensions | Proxima | Proxima plus | Libra STD | Libra RACK |
| Casing type | universal (RACK or wall-mounting) | | STD (wall-mount) | RACK (19")* |
| One unit dimensions: height × width × depth [mm]; weight [kg] | 44 (1U) × 483 (19") × 287; 5 | | 626 × 406 × 167; 18,6 (with backup power supply) | 176 (4U) × 483 (19") × × 330; 12 |

*additionally up to 3 RJ-45 patchpanels (1U height each) for every unit.

| Protocols and codecs | |
|---|--|
| Voice communication protocols | ASS, DSS1 (EURO ISDN), QSIG, GSM 850/900, DCS1800, PCS1900 |
| VoIP | SIP 2.0, T.38 (for faxes in IP networks) |
| Audio codecs | G.711 μLaw, G.711 aLaw, G.726, GSM, G.729a |
| Video codecs | H.263+, H.264 |
| Server communication protocols – integration with external software | Platan PCTI, Platan TAPI, HTTP, hotel LibraHotel.dll, hotel FIAS for Micros Fidelio, protocol supporting external call recorders |
| Server management protocols | Ethernet LAN 10/100 Base-T interface, embedded modems (analog V.32/ ISDN) for remote control |
| Automatic configuration (autoprovisioning) | Platan and Yealink IP phones |

| Software | |
|---------------------------------------|--|
| Web-based interface for configuration | ProximaWeb / LibraWeb |
| Call billing | Penny billing modul, individual and group statistics |
| Web-based interface for user | User Zone, access to the selected settings |
| Remote access to PBX servers | myserver.platan.eu platform |
| Application for audio and video calls | Platan Video Softphone (PC & Android), Platan Video Viewer – for IP Safe video door phones |
| Support of recorded calls | Agent 003, Archiver |
| Support of call traffic, SMS | Platan Call Monitor, Platan CTI, Platan Click2Call |
| Application for external port | Platan mAssistant |

| Accessories | |
|-------------------------------|--|
| Telephones | IP phones: Platan IP-T2xx, Yealink, Gigaset, Fanvil; analogue wired and DECT; Alcatel, Panasonic & others; proprietary phones: Panasonic KX-DT5xx (Libra – with consoles); IP videophones: Yealink, Fanvil |
| IP-DECT systems | IP DECT phones and base stations: Gigaset, NEC |
| Remote door and gates opening | DB 07 Platan door phones; IP video door phones: Safe & 2N |
| Call recording and archiving | Industrial memory cards; Platan Application Server; SIM call recorders |
| Central fax (Fax over IP) | Platan Fax Server on Platan Application Server |
| Support of telephone traffic | Platan Bridge – server for Platan Click2Call app. |

Telecommunication systems not only for business

- Platan PBX telecom systems, integrating all types of telecommunication lines, public and departmental – PSTN, ISDN, GSM, VoIP;
- support of intense telephone traffic, advanced scenarios of traffic organisation;
- networking by IP network – creating uniform telecom systems for distributed multi-branch organisations;
- protocols to support software of other producers – for call centers, contact centers, hotels, taxi companies and others;
- Platan Gateway REC multi-channel VoIP gateways with possibility of call recording;
- door phones, video door phones, phones and videophones of any type, central fax server and other accessories useful in office work;
- SIP trunk multi-channel services – low-cost voice communication by VoIP;
- local commercial, technical and service support – network of authorised installers and partners in Poland and abroad.



Platan is a leading Polish producer of IP PBX telephone systems and PBX servers.

Company's complex offer satisfies the most sophisticated requirements of a wide range of customers, from small and medium companies to large enterprises, public offices and institutions, as well as rescue and uniformed services.

We have been providing telecom solutions since 1985. Systems developed by Platan are fully based on our own technical know-how. They have received great recognition both on Poland and foreign markets.

Platan offers also the public address systems, including the IP-based audio passenger information systems for railway stations.

We have been awarded ISO 9001 Quality Management System Certificate for design, manufacture, sale and service of telecommunication equipment, which provides the evidence of our compliance with quality standards.



PLATAN IP PBXs and PBX Servers



Six-unit
Libra PBX Server



One unit of Libra PBX Server



Libra STD PBX Server

These are the largest Platan PBX servers, supporting up to 720 analogue and proprietary phones and up to 1000 IP phones. Scalable from one up to six units. Creating network with Libra and Proxima servers. Two types of casings – wall-mountable (STD) and RACK for 19" ICT cabinets.

Advanced PBX servers supporting up to 28 analogue and proprietary phones and up to 1000 IP phones. Creating networks, both with Proxima and Libra servers. One universal casing – for wall mounting or for RACK 19" ICT cabinet.



Proxima and Proxima plus IP PBX Servers



Prima, Prima mini and Prima nano IP PBXs

Small IP PBXs, connecting all types of telephone lines: analogue, digital ISDN, VoIP together with integrated GSM cards.

They support up to 14 analogue phones and up to 8 IP phones.

PLATAN IP gateways and IP phones



Platan Gateway REC



Platan Gateway

Platan Gateway and Platan Gateway REC (with integrated multichannel call recording) are IP gateways.

Support of 8 up to 24 phones, universal casing for wall-mounting or RACK 19" ICT cabinet installation.

They can be used with any SIP provider and PBX systems of other producers.



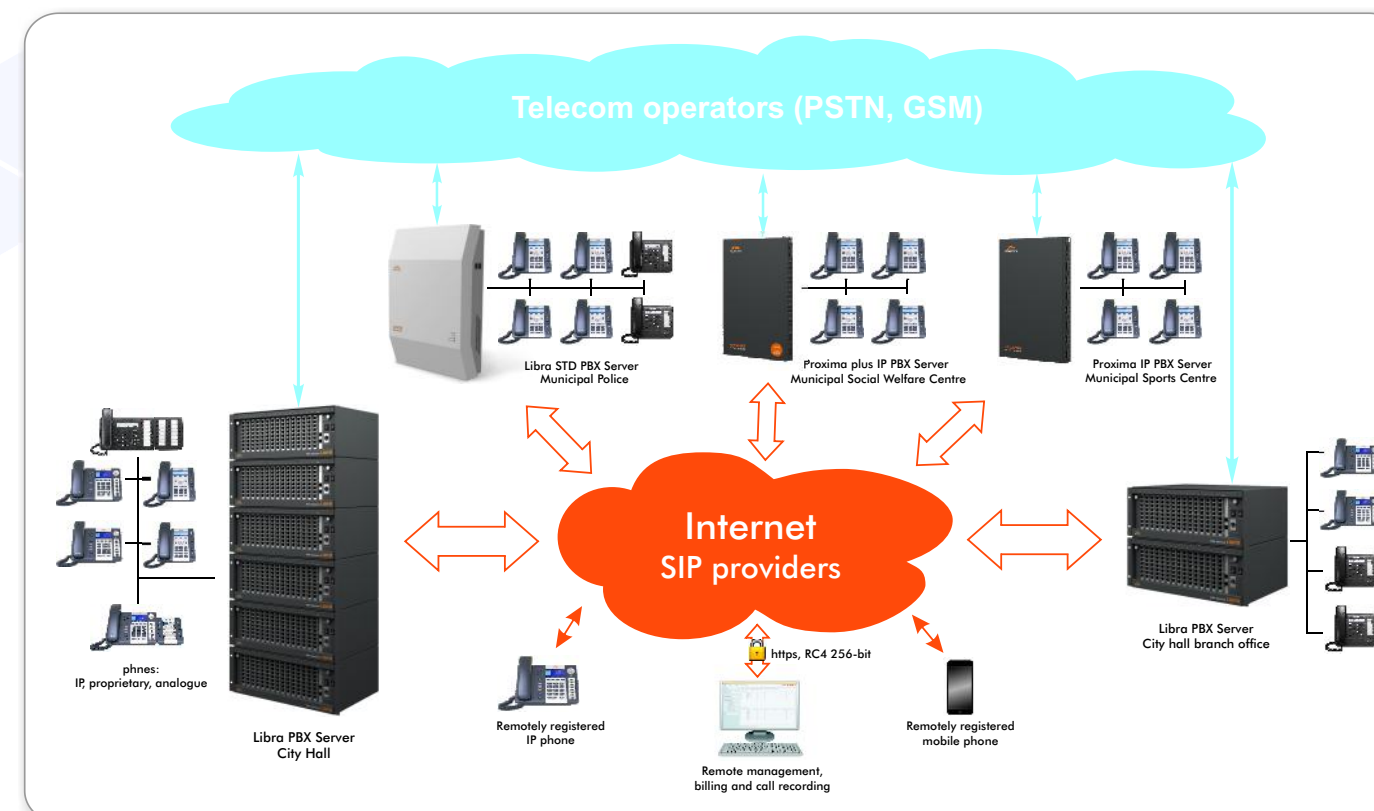
Platan IP phones

Elegant phones for demanding users, with colour display, photos for contacts, possibility of connecting up to 5 expansion modules, using multiple SIP accounts. Perfect solution for managers, dispatchers and secretaries.

Economic models with visible display, several SIP accounts – indispensable phone in every office.

Phones with embedded switches with two 1 Gb Ethernet ports and with embedded Wi-Fi for wireless connection.

Example of an integrated telecommunication system with the use of Platan systems network



Features of PLATAN PBX servers

Intelligent Call Distribution (ICD):

- Interactive Voice Response (IVR) with multilevel call distribution scenarios.
- Queuing callers waiting for a connection – with information on updated position in queue and estimated waiting time.
- Multi Phone – using several phones (mobile phone included) at one extension number.
- Sending to mobile phones set as external ports (in Multi Phone) information about the numbers calling a PBX, easy calling and calling back from mobile phone via PBX server (Platan mAssistant).
- DISA – direct inward access to extensions and infolines numbers.
- Smart Callback – directing an external caller that missed the call to the PBX extension that had made this outgoing call.
- Music on hold (4 tunes).
- Hunt groups (group ring numbers).
- Uniformed (UCD) and Automatic (ACD) Call Distribution.

VoIP Cost Eliminator (VEK):

- Support of multichannel VoIP lines (SIP trunk).
- Integrated access to the low-cost Internet telephony.
- Support of faxes in IP networks (T.38 standard).
- Call Through – calls via VoIP from mobile phones.
- Platan Video Softphone app. for calls and video calls in VoIP technology.

Cost Management Programme (PZK):

- History of outgoing, incoming, answered and missed calls.
- Call billing in Penny app. – individual and precise accounting of call costs and times (100,000 calls buffer).
- Individual and group call statistics.
- Limits of call costs.
- Boss-secretary scenario (limited access to privileged PBX users).
- 2000 billing accounts and 2000 virtual extensions.
- Automatic selection of the cheapest call route ARS/LCR (4 tables).
- Transit call – charging an outside call to the server.
- Restriction system – limiting the number of unwanted outgoing calls.
- Tables of allowed/denied numbers/directions (16 tables).

Incoming and internal traffic:

- Full Call Identification Presentation (CLIP).
- MSN/DDI multiple phone numbers.
- MCID (Malicious Call Identification), rejecting unwanted calls.

- Voicemail – group and individual for all users.
- Extension groups (restrictions on internal calls).
- Teleconferences, conference rooms (up to 40 participants).
- Call forwarding – unconditional (CFU), when busy (CFB), when no answer (CFNA), when not reachable (CFNR).
- Capturing calls incoming to an extension or a group, pick-up groups.
- Putting calls on hold (HOLD).
- Call waiting indication (offering).
- Joining calls in progress.
- Call transfer to external numbers.
- "Do Not Disturb" (DND).

Outgoing traffic:

- CLIR (Calling Line Identification Restriction).
- Hotline (trunk / extension) – quick access to external numbers.
- Booking calls with voice message for booked calls.
- Redial (redialling the last dialled number).
- Easy callback.
- Short numbers for speed dialling.
- Emergency numbers, alarm dialler (alarm notification).

Other features:

- Networking of Proxima and Libra servers for dispersed organisations.
- Integrated multi-channel call recording, archiving calls from multiple locations.
- See Who's Talking – video calls for any number of users, support of IP video door phones with Platan Video Viewer app.
- Global phonebooks for proprietary and IP phones.
- Web-based management, local and remote.
- External devices control.
- Automatic fax transfer.
- Time synchronisation with the local exchange (from the NTP server and CLIP).
- Automatic change of operation modes.
- Wake-up calls, single or multiple event notifications.
- Free numbering of extensions and services (1-16 digits).
- Sending and receiving individual and group text messages (SMS).
- Applications supporting the service of call traffic – Platan CTI, Platan Click2Call, Platan Cal Monitor.
- Integration with own and external applications and accessories.
- System messages for call queuing, voicemail, conferences etc.
- System management and service in: Polish, English, Russian.