# QX Gateways

| Features | QXFXO4 | QXE1T1 | QXFXS24 |
|---|---|---|---|
| **Physical interfaces** | | | |
| FXO ports | 4 | N/A | N/A |
| E1/T1 | N/A | 1 | N/A |
| FXS ports | N/A | N/A | 24 |
| Ethernet RJ-45 | 2 | 2 | 2 |
| **Capacity** | | | |
| Simultaneous IP to PSTN Calls (max) | 4 | 30 (E1)/24 (T1) | 24 |
| **Call signaling and compression standards** | | | |
| IP call signaling | SIP | SIP | SIP |
| PSTN signaling | loop start | CAS, PRI CCS | loop start |
| Voice coding | G.711, G.726, G.729, iLBC | G.711, G.726, G.729, iLBC | G.711, G.726, G.729, iLBC |
| Fax | T.38, pass-through fax | T.38, pass-through fax | T.38, pass-through fax |
| **PBX features** | | | |
| Unconditional call forwarding | yes* | yes* | no |
| Incoming call blocking | yes* | yes* | no |
| Outgoing call blocking | yes* | yes* | no |
| Call waiting | no | no | yes |
| External voicemail | no | no | yes |
| T.38 fax relay | yes | yes | yes |
| Pass-through fax | yes | yes | yes |
| Auto Attendant | yes | yes | no |
| Zero-Out for Auto Attendant | yes | yes | no |

*Can be configured based on caller ID per each extension

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|---|---|---|---|
| **PBX features** continued | | | |
| **Auto Attendant call back for SIP callers** | yes | yes | no |
| **Auto Attendant call back for PSTN callers** | yes | yes | no |
| **Call redirection on Auto Attendant** | yes | yes | no |
| **Auto Attendant ringing announcement** | yes | yes | no |
| **Authorized phone database** | yes | yes | no |
| **Multi-level IVR** | yes | yes | no |
| **Configurable call routing** | yes | yes | yes |
| **Date/time based routing** | yes | yes | yes |
| **Routing with call duration limit** | yes | yes | yes |
| **Overall call duration limit per routing entry** | yes | yes | yes |
| **Global speed dialing** | yes | yes | yes |
| **Call history** | yes | yes | yes |
| **Automatic downloading of call history** | yes | yes | yes |
| **SIP tunneling** | yes | yes | yes |
| **Gateway Hosted Survivability** | yes** | yes** | N/A |

**Note:** Most of ecQX and QX/UC PBX features are available on QXFXS24 in shared mode.

| Network | | | |
|---|---|---|---|
| **Stateful inspection firewall** | yes | yes | yes |
| **Policy and service filtering** | yes | yes | yes |
| **Integrated NAT** | yes | yes | yes |

**** The HS feature is enabled by installing a software license key

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|---|---|---|---|
| **Network** continued | | | |
| **LAN DHCP server** | yes | yes | yes |
| **WAN DHCP client** | yes | yes | yes |
| **STUN/NAT traversal** | yes | yes | yes |
| **VPN** | yes | yes | yes |
| **OpenVPN** | no | no | yes |
| **VLAN** | yes | yes | yes |
| **TLS** | yes | yes | yes |
| **SRTP** | yes | yes | yes |
| **SNTP** | yes | yes | yes |
| **SMTP** | yes | yes | yes |
| **SNMP** | yes | yes | yes |
| **IDS** | yes | yes | yes |
| **SIP IDS** | yes | yes | yes |
| **PPPoE** | yes | yes | yes |
| **DNS server** | yes | yes | yes |
| **DYNDNS support** | yes | yes | yes |
| **TOS/DIFFSERV** | yes | yes | yes |
| **Management** | | | |
| **HTTP/HTTPS access to GUI** | yes | yes | yes |
| **Local admin** | yes | yes | yes |
| **Password control** | yes | yes | yes |
| **Multi-language support** | yes | yes | yes |
| **Plug-and-Play (PnP) with QX IP PBXs** | no | no | yes |

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|---|:---:|:---:|:---:|
| **Management** continued | | | |
| **PSTN trunk/line sharing with QX IP PBXs** | yes | yes | N/A |
| **Radius** | yes | yes | yes |
| **Network capture** | yes | yes | yes |
| **Call capture** | yes | yes | yes |
| **Remote testing** | yes | yes | yes |
| **System configuration automatic backup and download** | yes | yes | yes |
| **Legible configuration** | yes | yes | yes |
| **Configuration download/restore** | yes | yes | yes |
| **IDS logs** | yes | yes | yes |
| **System logs** | yes | yes | yes |
| **System event notification via SMS/email** | yes | yes | yes |
| **System security diagnostics and audit** | yes | yes | yes |
| **System status** | yes | yes | yes |
| **Automatic firmware update** | yes | yes | yes |