

# iQ6

Multi-line phones made smarter

**“Six lines, one tiny connection.  
iQ6 is the Telco gateway for  
Axia’s new iQ console.”**

## **iQ6 saves you money and time**

It plugs right into your Livewire network, eliminating the cost of discrete I/O, cabling and soldered connectors, and drastically reducing installation time. iQ6 carries six lines worth of audio, hybrid control and backfeed on one skinny CAT-5 cable.

## **You control it directly**

From Axia iQ consoles equipped with the Telco expansion frame, or by using the new Telos VSet12 or the included VX Producer software to take and screen calls directly via your producer’s PC.

## **iQ6 works**

With POTS or ISDN phone lines, and comes equipped with two 3rd-generation Telos hybrids with Digital Dynamic EQ; the same advanced hybrids found in our Nx phone systems.

## **iQ6 also comes with new AEC**

Advanced Echo Cancellation - from Fraunhofer Labs, revolutionary technology that eliminates open-mic feedback.



## **FEATURES:**

- Our most advanced hybrid algorithms.
- New symmetrical wide-range AGC by Omnia.
- DDEQ-Digital Dynamic EQ and adjustable smart-level AGC by Omnia keeps audio spectrally consistent from call to call.
- Studio adaptation and pitch shifter help prevent feedback in situations where open speakers are required.
- Many control options to suit your individual requirements, including the brand new VX-series call controllers – VSET12 handset, VX Producer for PC, and iQ 6-Fader Telco expansion frame.
- Adjustable caller override improves performance and allows you to individualize the degree to which the announcer ducks the caller audio.
- Caller ID on both analog POTS and ISDN telephone lines, accessible over the Ethernet for call screening applications.
- Exclusive Telos Status Symbols makes life easier for producers and talent with their animated, high-contrast icon display of line and caller status.
- Input/output via Livewire Audio-over-IP.
- POTS, ISDN-S, or ISDN-U (specify when ordering).
- iQ6 works with the iQ 6-Fader Telco expansion frame to give operators seamless, on-console control of incoming lines and callers.
- Web server for configuration and remote monitoring.
- Call screening and remote control using Telos VX Producer, or a variety of third party software packages.
- The iQ6 ships standard with Telos call screening software VX Producer.



**General**

Telos 3rd generation Adaptive Digital Hybrids  
 Telos Exclusive Feedback Reduction Functions, including Acoustic Echo Cancellation

**Send (to caller) Processing**

Sample Rate Conversion  
 High-pass Filter  
 Frequency Shifter  
 AGC/Limiter  
 Pgm-on-hold AGC/Limiter  
 Sample Rate Conversion

**Receive (from caller) Processing**

High-pass 'Hum' Filter  
 Smart AGC / Platform Leveler  
 Telos' DDEQ (Digital Dynamic Equalization) 3-band Adaptive Spectral Processor  
 Sample Rate Conversion

**Switching Matrix and Conferencing**

Audio Routing and Switch	All Digital
Telephone Lines	6
Hybrids	2
Studio Inputs	2
Studio Outputs	2
Program-on-Hold	1

**Control Ports**

Ethernet 100Base-T  
 Web server for configuration and software update  
 Telnet for command line control and diagnostics  
 VX Producer server allows up to 24 simultaneous VX control connections and 6 simultaneous VX audio connections (including ring tone)

**ISDN Telephone Connectivity**

Protocol Compatibility  
 National ISDN 1 and 2  
 DMS-100 Custom Function  
 AT&T 5ESS Custom Point-to-point  
 Euro-ISDN conforming to the Net 3/ETS300 Protocol

**Interface**

USA & Canada: Integrated NT1 for direct connection to ISDN line via the two-wire U-interface (6-position/2-pin RJ-11 connector) 2B1Q Line Encoding  
 Worldwide: 4-wire S-interface (8-position / 8-pin RJ-45 Connector)

**Telephone Coding Modes**

µLaw (ISDN Proto set to Natl I-1, AT&T Custom, Q.931mu or DMS Custom)  
 A-Law (ISDN Proto set to ETS-300)

**Analog Telephone Line Connectivity**

Universal interface for worldwide application  
 Programmable loop current  
 Programmable ring and disconnect signaling (loop drop or tone)  
 Programmable Flash time  
 Caller ID decoding using Bellcore 212 modem standard

