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# Technical Specification Sheet

## IntrusionIQ Bridge 16-Channel Board - Input Power Budget

This specification summarizes the estimated input current for the IIQ Bridge 16-channel controller board when powered from either a local 12 VDC source or Power over Ethernet (PoE). Figures below apply to the integrated controller board as a whole and are intended for power-source sizing and product documentation.

**0.16 A**

12 VDC input design budget

**0.04 A**

48 V PoE input design budget

### Estimated Current Draw

Operating condition	12 VDC input	PoE input @ 48 V nominal
Low / idle	83 mA	20 mA
Typical	113 mA	27 mA
Heavy / conservative design case	152 mA	37 mA

### Specification Basis

- Values shown are engineering estimates for the controller board as an integrated assembly.
- The 12 VDC and PoE figures are source-side equivalents of the board operating load.
- The table is intended for system design budgeting, technical literature, and power-source selection.
- Values should be bench-verified against the final production firmware revision.

### Recommended Published Statement

IIQ Bridge 16-channel board electronics: approximately **113 mA at 12 VDC** or **27 mA from 48 V PoE** during normal operation.

**Verification recommendation:** Confirm final production values by measuring input current in link-up idle, normal traffic, and heavy processing states.

Prepared for product planning and technical documentation purposes.