



**Advanced Telecommunications Computing Architecture (ATCA®)  
Power Interface Module**

The iQor Power Interface Modules integrate all features required by the Advanced TCA Base Specification for a frame board power entry into a Quarter-Brick footprint. Minimal external components are required for all the key functions. The product family provides efficient utilization of hold-up capacitance. A full-feature module with I<sup>2</sup>C interface is also available.

Ihr Vertriebspartner:



Inselkammerstraße 10  
D-82008 Unterhaching  
Tel: +49 (0)89 614 503 10  
Fax: +49 (0)89 614 503 20  
E-Mail: power@hy-line.de  
www.hy-line.de

Hochstraße 355  
CH-8200 Schaffhausen  
Tel: +41 (0)52 647 42 00  
Fax: +41 (0)52 647 42 01  
E-Mail: power@hy-line.ch  
www.hy-line.ch

**Operational Features**

- 100V/1ms transient protection
- Auxiliary supply voltages:  
3.3V, 3.6A  
5.0V, 150mA
- Standard Quarter Brick package size: 1.45" x 2.3"
- Trimmable 50-95V hold-up capacitance voltage
- Optional I<sup>2</sup>C interface for feedback on:  
A and B Feed Voltage  
Hold-up Voltage  
48Vout Voltage and Current  
Temperature  
Fuse and MOSFET failure
- Random start-up delay
- -40°C to +100°C Operating Temperature
- Industry standard pin-out configurations and standard footprints

**Protection/Control Features**

- Inrush current limiting
- EMI filtering
- Output current limit (OCP) and short circuit protection
- Output over-voltage protection (OVP)
- Thermal shutdown (OTP)
- Hold-up capacitor discharge control

Threshold Protocols	Pin Length	Feature Set
<b>S:</b> Standard (ATCA) <b>N:</b> NEDS (Mega only) <b>E:</b> ETSI	<b>K:</b> 0.110" <b>N:</b> 0.145" <b>R:</b> 0.180" <b>Y:</b> 0.250"	<b>S:</b> Standard Feature <b>F:</b> Full Feature

**iQor Power Interface Modules**

Family	Input Voltage	Auxiliary Output 1	Auxiliary Output 2	Package Size	Performance Series	Thermal Design	Output Current	Threshold Protocols	Pin Length	Feature Set
IQ	6	50	33	Q	<b>T:</b> Tera <b>M:</b> Mega <b>G:</b> Giga	A	<b>10</b> <b>12</b> <b>14</b>	S	N	S

**Example:** IQ6503QMA10SNS-G For valid part numbers, refer to the website or contact your local sales representative or distributor.

iQor		
IQ65033QTA14	Power Interface Module	500W ATCA Power Interface Module
IQ65033QGA12	Power Interface Module	350W ATCA Power Interface Module
IQ65033QMA10	Power Interface Module	300W ATCA Power Interface Module