

# AMC110

1023847

## Technical Specifications

<b>Modes of Operation</b>	
open loop positioning	stepping signals for ECS positioners
closed loop positioning	closed loop control for ECS/NUM positioners
remote operation	Ethernet Port and USB (with adapter)
<b>Size and Dimensions</b>	
chassis	44.4 x 28 x 4.4 cm <sup>3</sup>
weight	approx. 4.1 kg
<b>Controller Hardware</b>	
power supply	100/115/230V, 50 .. 60 Hz
connector	IEC inlet
connection cable (ELE - POS)	1 per axis, length: 2m
<b>Software Drivers</b>	
driver options	directly through a JSON-based REST API Wrappers for Python, LabVIEW, Matlab, C-Library (Windows/Lin), C#
<b>Output Signals</b>	
output connectors	26-Pin SubD connector
output voltage range	stepping : 0 .. 45 V; fine positioning : 0..45 VDC
frequency range	stepping : 0 .. 5 kHz (1 axis); stepping : 0 .. 2 kHz (3 axes simultaneously)
output current	stepping : max > 16 A peak
maximum capacitance load	2 $\mu$ F
output noise	< 5 mVpp (500 kHz bandwidth)
resolution of signal generation	680 $\mu$ V (16 bit)
<b>Trigger Signals</b>	
trigger level definition	LVDS, LVTTTL
input trigger	1 per axis
trigger interface	GPIO - port
<b>Features and Upgrades</b>	
/PRO feature	enhanced functionalities and control for closed loop operation
/IO feature	realtime interfacing with external signals (through GPIO port)
/RC remote control feature	wireless control of nanopositioners
AMC/IDS closed loop feature	interferometric position control using attocube`s IDS3010
Rotation Compensation feature	Feed-forward runout compensation of a rotator by two xy-stages

