EMPOWERING AUTOMATION:
REALTIME CONTROLLER

Realtime Robotics has developed a revolutionary way to streamline multiple aspects of the programming process using a single, simple toolkit. While conventional motion planning methods require weeks or even months to complete all aspects of programming, simulation, testing and evaluation, the Realtime Controller greatly shortens this time-frame by automating many time-consuming core processes and dynamically adjusting to variable production conditions.

REAL BENEFITS

+ **Increased throughput** with interlock-free multi-robot workcells
+ **Faster, easier robot programming** with accelerated offline motion planning
+ **Flexible workcells** with collision-free planning in real-time
+ **Safely deploy industrial robots** in shared workspaces typically reserved for collaborative solutions

realtime robotics

Interested in learning more? Visit rtr.ai or contact us at sales@rtr.ai

CONTROLLER SPECIFICATIONS

Processor	*Intel Xeon Multi-core (8 core / 16 threads)*
Memory	*32 Gbytes*
Internal Storage	*500 Gbytes*
Control Cycle Time	*down to 5 mSec*
Cameras Supported	*up to 8*
Camera Sample Rate	*30/60/90 Hz*
Ethernet Communications	*Qty 2: 10/100/1000BaseT Gigabit Ethernet Controller*
O.S.	*Linux Ubuntu - Long Term Support (LTS)*
Power Consumption	*600 watts*
Power Dissipation	*600 watts*
Operating Temperature	*0°C ~ 50°C (32°F ~ 122°F)*
Storage Temperature	*-40°C - 70°C (-40°F - 158°F)*
Operating Relative Humidity	*8% to 90% non-condensing*
IP Rating	*IP-20*
Shock	*1g, 11ms 10g 6-10ms*
Vibration	*0.2g, 5-500 Hz -2g, 10-150 Hz*
Radiated Emissions	*CISPR 11 / FCC Class A*
Power Input: (AC Option)	*80 - 235 VAC*
Power Input: (DC Option)	*24 VDC*
Dimensions	*12 x 11.9 x 5.25 in*

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