

# EC64-19 | 6-axis Collaborative Robot

EC SERIES



4kg  
Payload



1900mm  
Radius



±0.1mm  
Repeatability



4.0m/s  
Max TCP Speed



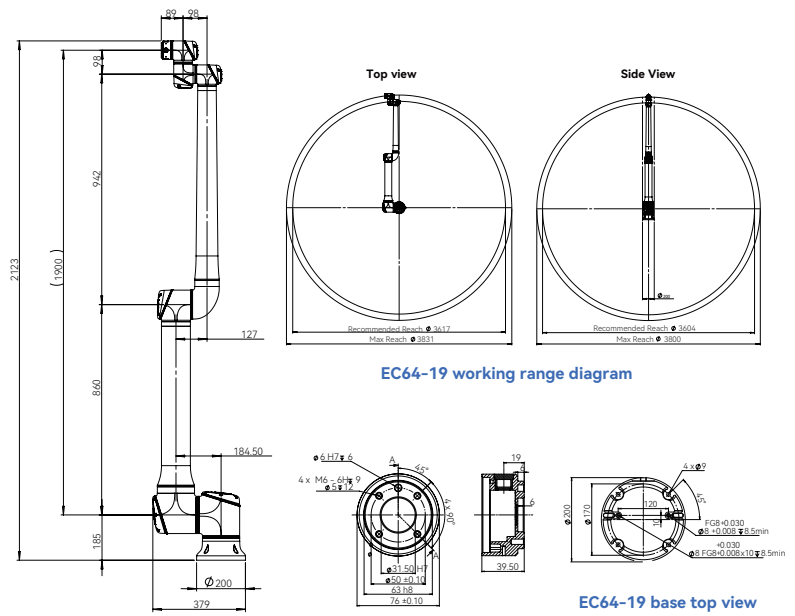
# EC64-19

## EC SERIES



### Robotic Arm

Payload	4kg
Radius	1900mm
Repeatability	±0.1mm
Axis	6
Joints rotation J1-J6	±360°
Joints speed J1-J2	120°/s
Joints speed J3	150°/s
Joints speed J4-J6	260°/s
Max TCP Speed	4.0m/s
IP rating	IP54
Temperature range	0-50 °C
Relative humidity	5%-95% (non-condensing)
Typical power usage	350w
Mounting	Any angle
Tool I/O connector	12 pin
Tool I/O ports	2 DI, 2 DO, 1 AI, 1 AO
Tool I/O power supply	24V; 2A
Tool I/O communication	RS485
Footprint	Ø 200mm
Weight	33.5kg
Material	Aluminum, Steel
Cable length	5.5m
Certifications	CE-EMC, CE-MD



EC64-19 external dimensional drawing

EC64-19 end flange

### MINI Controller



Size	205mm x 135mm x 44mm
Weight	1.2kg
Material	Aluminum
IP rating	IP40
Power source	45-55VDC
I/O ports	8 DI, 8 DO
I/O power supply	24V; 2A
Communication	Ethernet TCP/IP, UDP, Modbus TCP/RTU, RS485/RS232, Profinet slave, Ethernet IP slave, CCLink slave

### Teach-Pendant



Size	290mm x 225mm x 118mm
Weight	1.2kg
Material	Aluminum, Plastic
IP rating	IP54
Resolution	800 x 600 pixels
Cable length	5.5m
Temperature range	0-50 °C
Input method	Resistive touch-screen, physical keys

### Controller



Size	505mm x 448mm x 245mm
Weight	15kg
Material	Aluminum, Steel
IP rating	IP44
I/O power supply	24V; 2A
I/O ports	16 DI, 20 DO, 2 AI, 4 AO
Temperature range	0-50 °C
Communication	Ethernet TCP/IP, UDP, Modbus TCP/RTU, RS485/RS232, Profinet slave, Ethernet IP slave, CCLink slave