

TECHNICAL SPECIFICATIONS

NED2 6-AXIS ROBOT ARM

Weight (kg)	7		
Payload (g)	300		
Maximum reach (mm)	440		
Degrees of freedom	6		
Repeatability (mm)	+/- 0.5		
TCP's maximum speed (mm/s)	468		
Footprint (mm)	200 x200		
Operating temperature (°C)	5-45		
Human-Machine interface	<ul style="list-style-type: none"> • 3 control buttons ("FreeMotion" button, button to save a pose and "Custom" button) • LED Ring • Speakers • Microphone 		
Inputs/Outputs		Back panel	Control panel
	Digital inputs	3	1
	Digital outputs	3	1
	Analog inputs	2	0
	Analog outputs	2	0
Power supply	DC : 12 V – 7 A ; 5 V – 7A		
Interfaces	2 X USB 2.0, 2X USB 3.0, 1X ETHERNET		



TECHNICAL SPECIFICATIONS

Programming environment	Niryo Studio; PyNiryo; PyNiryoRos; C++
Communication	Modbus TCP (master); TCP/IP
Materials	Aluminum, ABS-PC (injection moulding)
Collision detection	Accelerometer and gyroscope in the control panel
Certification	CE Conformity

CUSTOM GRIPPER

Max operating width (mm)	43
Weight (g)	108
Motor	XL330 Servo Motor
Power supply	5 V
Operating temperature (°C)	5 -45

