

	Khepera	e-Puck
Diameter	70 mm	70 mm
Battery	NiMH fixed inside	LiION removable
Autonomy	1.5 hours	4-5 hours
Resolution movement	0.08 mm	0.1 mm
Motor type	DC with encoder	Stepper motor
Gear	open (dust problems)	closed (and simple to replace)
Mechanical structure	complex (2 PCB, 10-20 parts)	simple (1 PCB, 3 simple parts)
Surface of work	very flat	very flat
Processor	M68331 @ 25MHz	dsPIC @ 30MHz
processor type	32 bit	16 bit with DSP core
Processing power	standard	very high (DSP)
RAM	512 k	8 k
FLASH	512 k	144 k
Sensors	8 IR	8 IR
	Encoders on wheels	2D accelerometer
		2 microphones
		(under test: 640 x 480 color camera)
Output	2 motors	2 motors
		8 leds
		speaker
Interface	RS232 TTL level	full RS232 (bluetooth under dev.)
Pogramming env.	GCC in cygwin	GCC integrated in Mplab (porting to linux etc in progress)
Programing of FLASH	serial port	external programmer (ICD2) serial port under development
Software	BIOS	examples of code, under develop.
	Sercom	
Extentions	many	none (under develop.)
Diffusion	commercial	open hardware
Price	2500 CHF	450 CHF
Availability	now	november 2005 ?