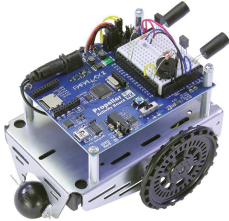
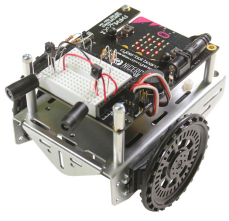

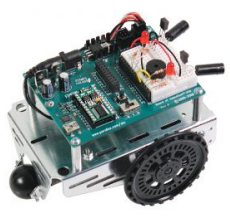










PARALLAX SMALL ROBOTS: COMPARISON CHART FOR COMPLETE KITS

	ActivityBot 360° 32600	cyber:bot 32700	Shield-Bot 32335	Boe-Bot Robot Kit 28832
				
Microcontroller / board	Propeller multi-core built into Activity Board WX	micro:bit + cyber:bot board w/ built-in Propeller multi-core	Arduino Uno + Board of Education Shield	BASIC Stamp 2 module + Board of Education
Languages	BlocklyProp (visual) C (text)	Python (text)	Arduino (text)	PBASIC (text)
Free Software (*get key from Parallax)	SimpleIDE (C, install) BlocklyProp (visual, web)	Mu (install) Online Python Editor (web)	Arduino IDE (install) Codebender* (web)	BASIC Stamp Editor (install) Parallax IDE (web)
Processing	Multi-core, 8 processors	Single-core code with multi-core invisible assist	Single-core with interrupts	Single-core sequential
Tutorial format	Web tutorials (book in works)	Web tutorials (book planned)	Book, free PDF, web tutorials	Book, free PDF
Solderless breadboard	Yes	Yes	Yes	Yes
Free digital I/O pins	18	20	14	16
Onboard media support	microSD card slot, stereo jack	5x5 LED matrix	none	none
Wireless support	WiFi programming with optional module 32420D	No wireless programming. Built-in micro:bit Bluetooth	No wireless programming; see Compatible Accessories	No wireless programming; see Compatible Accessories
DIY sensor components included	Touch-whiskers, Light sensors IR object detection PING))) Ultrasonic distance	Touch-whiskers, Light sensors IR object detection	Touch-whiskers, Light sensors IR object detection	Touch-whiskers, Light sensors IR object detection
Servo motors	Feedback 360°5-8 VDC, 100 RPM max, built-in encoder	Continuous rotation 4-6 VDC, 50 RPM max	Continuous rotation 4-6 VDC, 50 RPM max	Continuous rotation 4-6 VDC, 50 RPM max
Batteries required	5 AA 1.5 V alkaline 5AA 1.2 V NiMH	5 AA 1.5 V alkaline 5AA 1.2 V NiMH	5 AA 1.5 V alkaline	4 AA 1.5 V alkaline

PARALLAX SMALL ROBOTS: COMPATIBLE ACCESSORIES

	QTI Line Follower 28108	PING))) Mounting Bracket	Tank Tread Kit 28106	Crawler Legs 30055	WiFi and XBee Options	Hamburger Speaker & Mount	NiMH Batteries & Charger	Servo Upgrade
								
ActivityBot 360° with Propeller multi-core	Yes	Yes, buy 570-28015	Yes	Yes	Buy WiFi DIP 32420D or XBee module 32416	Yes, buy 725-32905 + 900-00018	Yes, buy 752-00021 + 752-00022	Not needed
Cyber:bot with micro:bit	Yes	Yes, buy 910-28015A	Yes	Yes	Use micro:bit built-in Bluetooth	No	Yes, buy 752-00021 + 752-00022	High Speed Servos 900-00025 , with VIN setting Feedback 360° 900-00360 - use 5V setting & from feedback360 import *
Shield-Bot with Arduino Uno	Yes	Yes, buy 910-28015A	Yes	Yes	Buy WiFi SIP 32420S or XBee SIP Adapter 32402 + XBee module 32416	No	No	High Speed Servos 900-00025 , with VIN setting
Boe-Bot with BASIC Stamp 2	Yes	Yes, buy 910-28015A	Yes	Yes	Buy WiFi SIP 32420S or XBee SIP Adapter 32402 + XBee module 32416	No	No	High Speed Servos 900-00025 + 753-00007 , with VIN setting