

The Birch, BT-49 series tiny wireless scanner makes your mobile and portable application better and easier.



Ordering Information:

BT-4910: Bluetooth Class 1, Linear imager scanner, with dongle (USB HID, USB COM or RS232 SPP), Black or White
 BT-4920: Bluetooth Class 1, Laser scanner (Opticon), with dongle (USB HID, USB COM or RS232 SPP), Black or White

Model	BT-49 Tiny Wireless scanner	
	BT-4910	BT-4920
Reading Performance	Processor	32 bit CPU
	Reading Code	Code 11, Code 32, Code 39, Code 93, Code 128, UPC-A, UPC-E, JAN/EAN/UPC Add-on, EAN 128, EAN 13, EAN 8, Codabar/Nw7, INT 25, Industrial 25, Matrix 25, Interleaved 25, UPK Hiesey, MSI/Hiesey, T4/epn, Full-RSS code, GS1 Database
	Resolution	4 mil (Code 39, 9 digits, PCS: 0.9) / 5 mil (Code 39, 9 digits, PCS: 0.9) / 2x 0.45 / 2x 0.45
Optical	Scan Engine	630nm Red LED LAMP Linear CCD Image Sensor / 650nm Visible Laser Diode (Opticon engine)
	Depth of Field	220mm / 550mm
	Read Sensor	Linear CCD image sensor / Visible Laser sensor
Communication	Scanning Rate	250 Scans/Second (Real time decoding) / 100 Scans/Second (Real time decoding)
	Reading Indicator	Green LED and buzzer / Buzzer can be disable or enable by program
	Beep indicator	2.4Ghz Bluetooth Class 1 (100M in open environment) / 28K (supports 500 records EAN13 with time stamp)
Battery	Memory	28K (supports 500 records EAN13 with time stamp) / Via USB cable
	Battery type	Rechargeable Li-polymer battery, 3.7V, 420mAh / Charged by USB cable, Max. 1.5 hour recharging time
	Battery charge	Approx 75 working hours with full battery by normal operating or 15,000 scans / 2 keys (1 for scan, 1 for clear data)
Physical Characteristics	Keys	2 keys (1 for scan, 1 for clear data) / 3 LEDs
	LED indicator	1 LED (Green and Orange) for good read or memory full / 1 LED (Red) for low battery notice / 1 LED (Blue) for wireless communication on-line status
	Dimension	89 (L) x 40 (W) x 17.5 (H) mm / Approx 75g / Approx 35g
User Environment	Weight	Approx 75g / Approx 35g
	Color	Black or White
	Operating Temp	-10 ~ 40 °C / -20 ~ 65 °C
User Environment	Storage Temp	-20 ~ 65 °C
	Humidity	10%-90%RH



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BT49 Series

Tiny barcode scanner Series
 3-in-1 scanner with drop-in-pocket design

The Great Mix of Elegant design and Innovative Functions



Birch has been providing barcode scanner products, development and service for nearly 20-year long. Barcode scanner normally consists of Optical module and Decoder board. With Birch expertise, we release new "BT" series. "B" stands for "BIRCH" and "T" stands for "Tiny, Turbo and Bluetooth".

We've got what you need

As barcode symbologies and AutoID integrated

solution application become more and more popular, then User's Friendly and Computerized automation are the must for the market. Wireless barcode readers are one of the major products for this solution.

- ✓ BIRCH user's friendly design
 - Wireless scanner
 - Memory scanner
 - USB cable scanner
- ✓ TINY size to "drop-to-pocket"
 - 89 mm (L) x 40mm (W) x 17.5mm (H)
 - Ergonomic and light weight design offer maximum comfort for every day use
- ✓ TURBO speed decoder at 250 scans/second
 - Support REAL TIME decoding for barcode output
- ✓ Bluetooth Class 1 wireless communication
 - Built with Bluetooth SPP to connect with notebook directly without dongle
 - Standard with dongle for USB HID (PnP), USB virtual COM, RS232 (SPP)



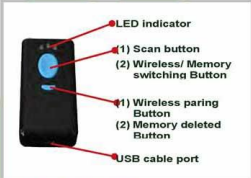
Birch Tiny Turbo Bluetooth series

BT-49 WIRELESS + MEMORY + USB SCANNER

[Close & long!]
 Linear imager & Long range CCD

With years of experience in AUTO-ID and optical development, BIRCH CCD series not only target for retailing (POS) market but also for special requirement of industrial used CCD. BT-49 series integrated three

kinds of scanner in one body: wireless scanner, memory scanner and USB cable scanner. It built



with industrial CCD scanner for turbo scanning speed, decoding speed and reading accuracy, as well as some design for special consideration for industrial environment. However, you can have the option for Opticon Laser scanner module. The BT-49 series is your best choice for easy carry, mobile-ability and industry use scanner.

BIRCH'S USER'S FRIENDLY

- **THREE-IN-ONE**----Just one BT-49 series scanner to meet a wide variety of business needs for wireless, cordless, memory data collection and USB cable.
- **ONE HAND OPERATION**----Bluetooth and Memory mode interchangeable directly without manual programming. You just need to press the scan button for more 8 seconds to hear beep sound to change the operating mode from Bluetooth to Memory or from Memory to Bluetooth.
- **BLUETOOTH CLASS 1 SPP (SERIAL PORT PROFILE)**---- It supports to communicate with system directly without dongle
- **INTERCHANGEABLE USB HID AND USB VIRTUAL**

TINY SIZE AND MOBILABILITY

- **BARCODE READING AND COLLECTION. SMART CARRY**----The ergonomic and "drop-in-pocket" design make you carry smart. The smallest size (89 mm L x 40mm W x 17.5mm H) and lightweight for your ALL-DAY and EVERYDAY use. <Wireless> + <Cable> + <Memory> all-in-one.
- **LONG TO GO AND LONG TO USE**----BT-49 series is the low power consumption scanner built with rechargeable Li-polymer battery, which supports 72 working hours with full charge battery under normal operation. Charged by USB cable and it takes Maximum 1.5 hours for battery recharge.



COMPREHENSIVE & PROFESSIONAL FUNCTIONS

BT-49 series make you feel ease with simple operating for professional application.



- **MEMORY WITHOUT LIMIT**----Built with 28K memory and you can easily change the operation mode to memory for the distance is beyond for Bluetooth technology reach distance. It allows to store at least 500 records of EAN 13 code with "Time Stamp" (yyyy/mm/dd hh:mm:ss:barcode info).

TURBO SPEED AND FLASH DECODING

- **INDUSTRIAL LEVEL DECODER**---- BT-49 series is built-in highest performance optical module and decoder to meet most of working applications, discriminate all of barcode symbologies including EAN 128 code, fully RSS code, and GS1 Database. It equips with a 200% auto-correction algorithm decoder for reading poor quality barcode. It makes the reading more easily.
- **INDUSTRIAL LEVEL OPTICAL**----BT-4910 is built with industrial level long range linear imager optical supporting 250 millimeters reading distance; optimized to read small high density barcodes up to 4 mil resolution, 0.45 PCS value.



- **REAL-TIME BARCODE READING & DECODING**----32 bit CPU and up to 250 scans/second with real time decoding. BT-49 series offers quick and accurate data capture; that increases the efficiency on your factory floor control and speeding in manufacturing process.



- Birch recommendation:**
 BT-49 series is the good option for your project. You can have following options for project base:
- Bluetooth Class 2 wireless technology
 - Vibration function
 - Different laser module (Symbol or Metrologic)
 - Zibi function



AIRC FLASHXTRACTED