

BT-49i series

BT49i Series

Born Smart and Environmentally Friendly

Bluetooth Class 1 with 4MB RAM

Tailor-made Scanner for Sustainable Mobility and Wireless Solutions



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

The latest outlook with anti-scratch finish, includes

Bluetooth Class 1 wireless functions and intelligent PDM features(power and data management) that simplify your connection any mobile device, PDM provides you with selections of data or file transmission, power charging or data downloading), it also supports USB(HID + VirtualCOM).

- ✓ **BIRCH** user's friendly design
 - Wireless scanner
 - Memory scanner
 - USB (HID & Virtual COM) 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 USB HID and Virtual COM both
 - Supports iPhone, iPad



Birch Tiny Turbo Bluetooth series

BT-49i WIRELESS + MEMORY + USB CABLE SCANNER

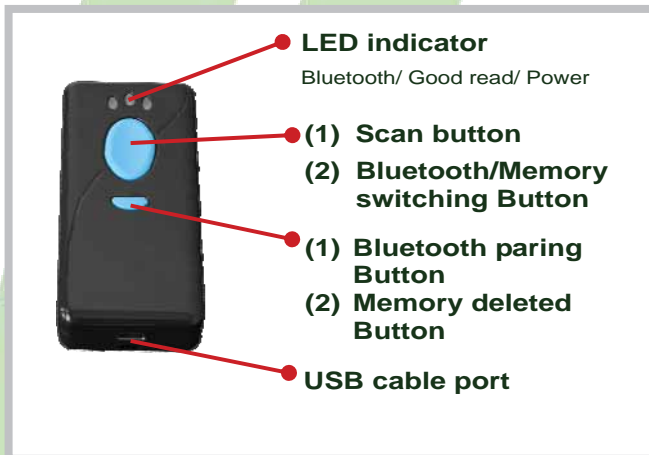
[Close & long!]
Linear imager & Long range CCD

With years of experience in AUTO-ID and optical development, BIRCH BT-49i series not only target for retailing (POS) market but also for special requirements from industry. BT-49i series integrated three

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

CCD (or laser) 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-49i 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-49i series scanner to meet a wide variety of business needs for wireless, cordless, memory data collection and USB cable scanner.
- **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. Optional for iPhone, iPad and Android supported model; which supports directly wake up virtual keyboard on iPhone, iPad by delete button.
- **BLUETOOTH CLASS 1**---- It supports to communicate

with system directly without dongle. Bluetooth Class 1 supports up to 100M communication distance in the open space.

■ **USB dongle**

----Standard with USB dongle which supports USB HID (PnP, plug and play) and VirtualCOM.

- **FLEXIBILITY**----BT-49i series supports "Firmware" upgradable at user's side, which helps you to keep up with the latest firmware for better reading performance.



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-49i series is the low power consumption scanner built with rechargeable Li-polymer battery, which supports 72 working hours (15,000 scans) with full charge battery under normal operation. Charged by USB cable and it takes Maximum 3 hour for battery recharge.



Drop-in-pocket design to carry smart

COMPREHENSIVE & PROFESSIONAL FUNCTIONS
BT-49i series make you feel ease with simple operating for professional application.



■ **MEMORY WITHOUT LIMIT**----Built with 4M 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 131,000 records of EAN 13 code with "Time Stamp" with varied format for option. Selection of data or file(memory.txt) downloading

TURBO SPEED AND FLASH DECODING

■ **INDUSTRIAL LEVEL DECODER**---- BT49i 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 Databar. It equips with a 200% auto-correction algorithm decoder for reading poor quality barcode. It makes the reading more easily.



■ **INDUSTRIAL LEVEL OPTICAL**----BT-49i can be built with industrial level long range linear imager optical supporting 250mm reading distance; optimized to read

small high density barcodes up to 4 mil resolution, 0.45 PCS value. You can also have the option of Opticon laser engine for special project running.

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



BT49i Product Strengths:

BT-49i series is the good option for your project. You can have following options for project base:

- Bluetooth Class 1 (100 meters for open space)
- Vibration functions as standard
- Selection of data or file(memory.txt) downloading
- 4MB memory built-in
- Selection of power-charging or data downloading
- Cabe/memory/Bluetooth mode settings

FLASHXRTD

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



Ordering Information:

BT-4915i: Bluetooth Class 1 supports Mac iOS (iPhone & iPad), 4M memory, linear imager scanner, 220mm DoF, w/USB dongle, Black
Option for BT-49i with laser (Called as BT-4925i)

Model		BT-49i Tiny Mobile Scanner	
		BT-4915i	BT-4925i
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, UK/ Plessey, MSI/Plessey, Telepen, fully RSS code, GS1 Databar	
	Resolution	4 mil (Code 39, 9 digits, PCS : 0.9)	5mil (Code 39, 9 digits, PCS : 0.9)
	PCS Value	≥ 0.45	≥ 0.45
Optical	Scan Engine	630nm Red LED LAMP, Linear CCD Image Sensor	650nm Visible Laser Diode (Opticon engine)
	Depth of Field	220mm	350mm
	Read Sensor	Linear imager sensor	Visible Laser sensor
	Scanning Rate	250 Scans/Second (Real time decoding)	100 Scans/Second (Real time decoding)
	Reading Indicator	Green LED and buzzer	
	Beep indicator	Buzzer can be disable or enable by program	
Communication	Vibration functions	Standard	
	Wireless	2.4Ghz Bluetooth Class I (100M in open environment) (supports iPhone and iPad for direct Bluetooth connection without dongle)	
	Memory	4MB memory built-in	
Battery	Cable	Via USB cable (Selection of power-charging or data downloading)	
	Battery type	Rechargeable Li-polymer battery , 3.7V, 420mAH	
	Battery charge	Charged by USB cable, Max. 3 hour recharging time	
Physical Characteristics	Battery durability	15,000 scans (Approx 72 working hours with full battery by normal operating)	
	Keys	2 keys (1 for scan; 1 for clear data)	
	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	
	Weight	Approx 75g	Approx 85g
User Environment	Color	Black	
	Temperature	Operation : -10 ~ 40 °C ; Storage: -20 ~ 65 °C	
	Humidity	10%-90%RH	
Operation system		Windows XP/2000/Vista/ Windows 7	