enhancell

SCANBOX

PWR   STA   NET   PWR/DAT

# Echo Scanbox
An ultra-lightweight scanner
for 3G, 4G, or 5G

# Echo Scanbox a lightweight multi-technology scanner

- **Simple and cost-efficient.** No software options; all features are built-in and included.

- **High speed.** Sample interval of less than one second with configurations covering <10 bands.

- **Small and lightweight.** The size of a cell phone. Weights less than a cell phone.

- **Low power consumption.** Powered by mobile devices USB port. 100mA current.

- **No calibration required.**

- **Effortless swap repair.** Replacement for a defective hardware with an equivalent new hardware.

- Supports 5G, LTE, and WCDMA. <u>One technology can be scanned at a time.</u>

# Echo Scanbox specs

| Item | Specs |
|---|---|
| Power consumption | 100mA/5V USB-C, 0.5W, 4-5 working hours when powered by controlling smartphone |
| Connect Interface | RF In: SMA(F)<br>Data/Power: USB-C<br>*note: Standard configuration provided with mini-USB to USB type-C cable connection |
| Operating temperature | -10°C ~ 50°C |
| Operating humidity | 5%~85% relative humidity, non-condensing |
| Weight/Size | 0.3 kg / 130 mm x 95 mm x 35 mm (exclude antennas) |
| International certification | CE |
| Standard configuration | Scanbox device*1, USB cable*1, antenna*2 |
| Measurement modes | WCDMA, LTE, NR. Possible configurations (one at time):<br>1. NR (5G) 1 band<br>2. LTE (4G) all bands<br>3. WCDMA all bands |
| Data modes | Carrier Count / Technology / MCC / MNC<br>Band / EARFCN / LAC / TAC / Cell-ID<br>PSC / PCI / RSCP / RSRP / RSRQ / Beam Index / Beam RSRP / Beam RSRQ / SSB Index |
| Frequency bands | 5G NR Sub 6: n1/n2/n3/n5/n7/n8/n12/n20/n28/n38/n40/n41/n48/n66/n71/n77/n78/n79<br>LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71<br>LTE-TDD: B34/B38/B39/B40/B41/B42/B43/B48<br>WCDMA: B1/B2/B3/B4/B5/B8 |
| Measurement rate (typical) | 600ms measurement update on single system multiple band configuration |
| Min. detection level | 5G NR: RSRP -128.73 dBm @100MHz BW 30 kHz SCS<br>LTE: RSRP -132.73 dBm @5MHz BW FDD/TDD<br>WCDMA: CPICH RSCP -115 dBm |
| Max. input power | +22 dBm |
| Accuracy | +/- 2 dB @input power >= -100 dBm |

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# Thank you!