

Industrial Mobile Solutions

8300 SERIES



- Programmable in : BASIC, C & Application Generator
- 1MB program memory + 256KB data memory
- Two keypad layouts, 24 or 39 keys
- Ideal for Industrial, Harsh Environment - IP65
- Up to 99 portable terminals per system
- Better line-of-sight, up to 1,000 Mtrs
- Up to 36 hours of operation per charge

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Specifications

RF Terminals

| | | | | |
|-------------|--------------------|----------------------|--------------------------------|--|
| Model | 8310 NB-433 MHz | 8350 SS-2.4 GHz | 8360 Bluetooth Class 1 | 8370 IEEE-802.11b |
| Frequency: | 433.12~434.62 MHz | 2.4000~2.4835 GHz | 2.402~2.4835 GHz | 2.4~2.5 GHz |
| Modulation: | FSK | FHSS | GFSK, 1Mbps, 0.5BT Gaussian | DSSS with DBPSK (1Mbps) DQPSK (2Mbps), CCK (5.5 & 11Mbps) |
| Data Rate: | 9,600 bps | 19,200 bps | 433Kbps | 11, 5.5, 2, 1Mbps auto-fallback |
| Channels: | 4 | 6 | Standard | Standard |
| Power: | 10mW MAX | 100mW MAX | 100mW MAX | 100mW MAX |
| Coverage: | 200M line-of-sight | 1,000M line-of-sight | 250M line-of-sight | 250M line-of-sight |
| Standard: | ETSI | ISM | Bluetooth Spec. V1.1 | IEEE 802.11b & Wi-Fi compliance |

Power

| | | | | |
|--------------------|------------------------------------|---------|----------------------|----------|
| Operation battery: | Li-ion 3.7V, 700mAh | | Li-ion 3.7V, 1800mAh | |
| Backup battery: | 3.0V, 7.0mAh, rechargeable Lithium | | | |
| Working hours: | 24 hours | 8 hours | 36 hours | 16 hours |

Environmental

| | | |
|------------------------|---------------------------|--------------------------|
| Operating Temperature: | -20° C to 60° C | 0° C to 50° C |
| Storage Temperature: | -30° C to 70° C | -20° C to 70° C |
| Humidity: | Non-condensed 5% to 95% | Non-condensed 10% to 90% |
| Shock resistance: | 1.2M drops onto concrete | |
| EMC regulation: | FCC class-A, CE, C - Tick | |
| IP Rating: | 65 | |

Base Stations & Access Points

| | | | | |
|-------------------|------------------|-------------------|-------------------------------------|--------------------|
| Model | 3510 (433MHz) | 3550 (2.4GHz) | 3560 (Bluetooth Class 1) | Access Point |
| Frequency: | 433.12~434.62MHz | 2.4000~2.4835 GHz | 2.402~2.4835 GHz | Works with |
| Base to PC: | RS232 | RS232 | Output Power: 100mW | Commercially |
| Baud Rate: | 115,200 bps | 115,200 bps | Profile: BNEP | Available Standard |
| Base to Base: | RS485 | RS485 | Ethernet Connection: 10/100 Base-T | IEEE-802.11b |
| Bases/System: | 16 | 16 | Protocol: TCP/IP, UDP/IP, ARP/RARP, | Access Point |
| Terminals/Base: | 15 | 99 | DHCP for IPv4 | |
| Terminals/System: | 45 | 99 | Piconet Support: up to 7 terminals | |

Communication

| | |
|------------|---|
| RS-232: | Transmission speed up to 115.2k bps |
| IrDA: | Standard 1.0 compatible, up to 115.2k bps |
| Serial IR: | Up to 115.2k bps transmission rate |

General Characteristics

| | |
|-----------------|--|
| CPU: | 16-bit CMOS, low power consumption |
| Program memory: | 1MB flash memory |
| Data memory: | 256KB SRAM |
| Display: | 128x64 graphic dots FSTN with LED back-light |
| Keypad: | 24 Numeric or 39 Alphanumeric rubber keys |

Dimensions

| | |
|---------|-----------------------------------|
| Size: | 196mm (L) x 77mm (W) x 44.5mm (H) |
| Weight: | 280g (including batteries) |

Programming Language

"C", "BASIC", and Windows-based Application Generator

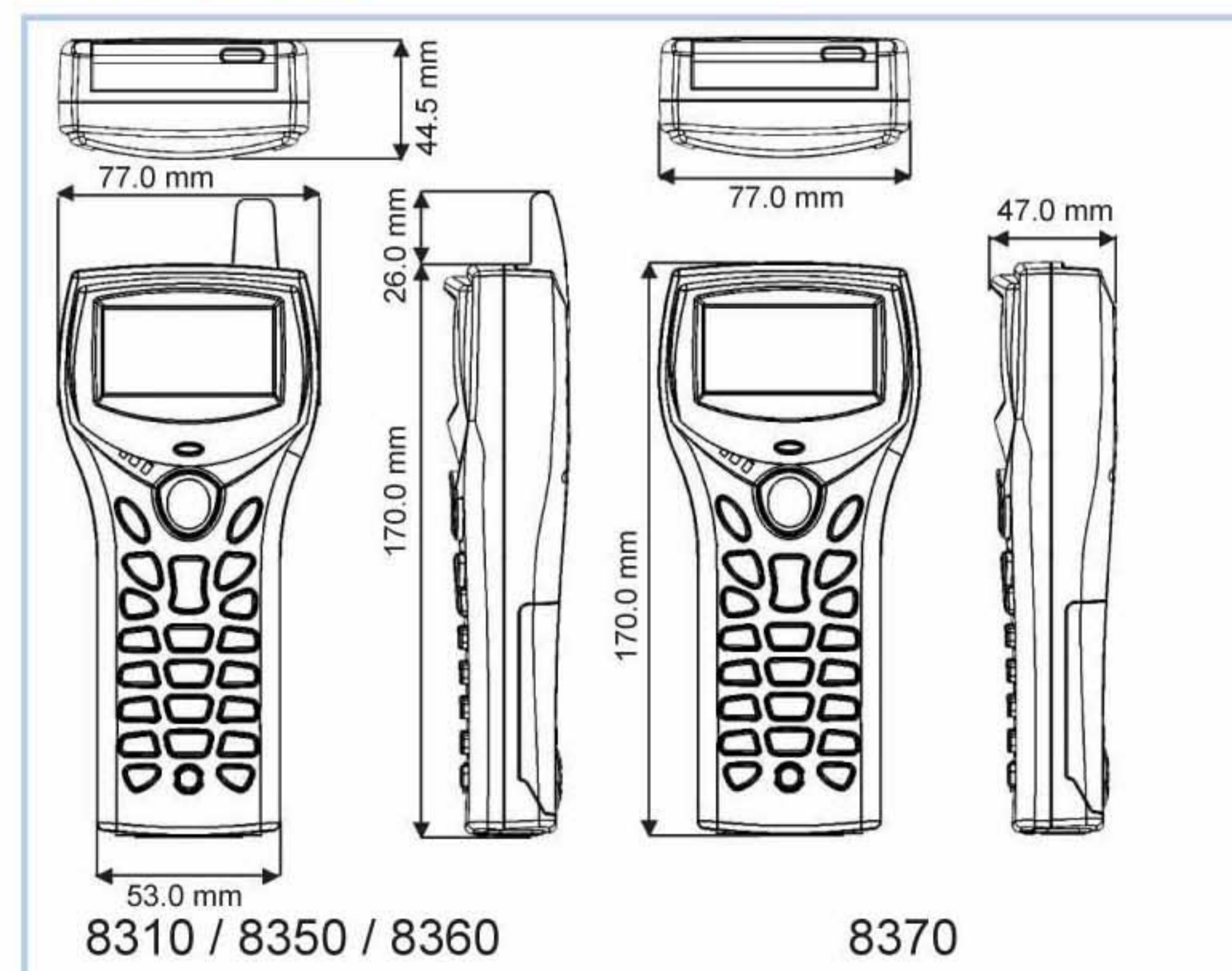
Accessories

RS-232 cable, USB cable, charging & Communication Cradle

Warranty

1 Year

Dimensions



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