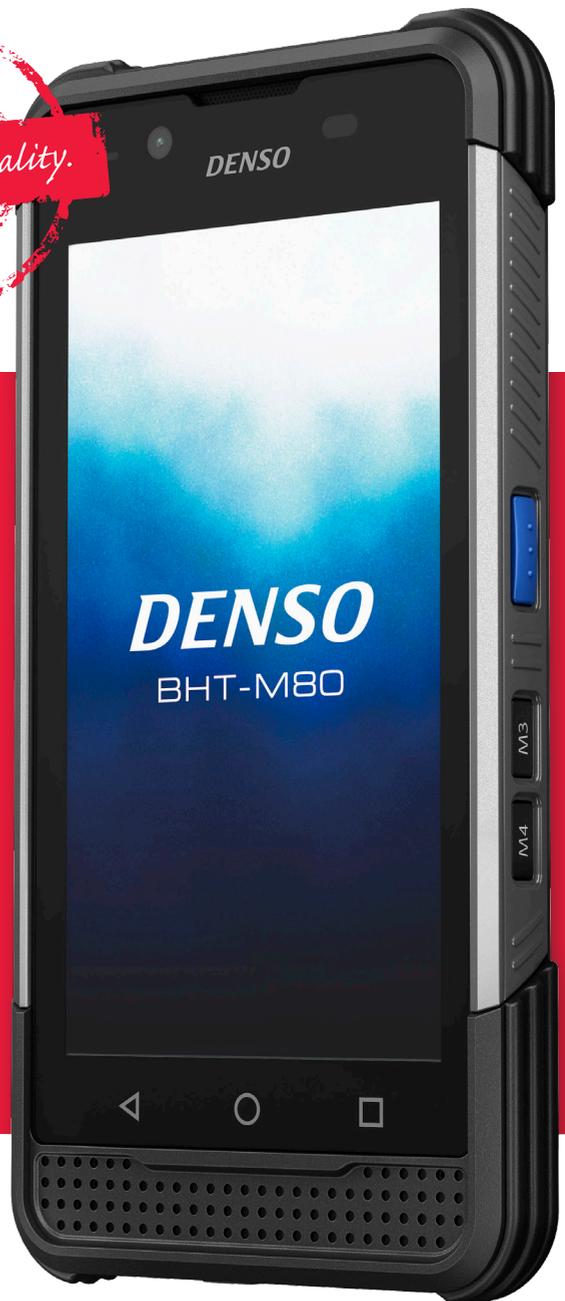MOBILE COMPUTER
BHT-M80
SERIES

Driven by quality.

Scanning-Excellence
at its Core

Sets the bar in terms of reading performance:
The BHT-M80 Mobile Computer.

The BHT-M80 Android device is the result of conintuous perfectionism!

Being fueled by the most powerful DENSO original scan engine to date, this mobile computer delivers a reading performance that will make you asking for nothing less ever again.

The installed Android™ 10 OS enables you to use the device intuitively without a long induction phase.
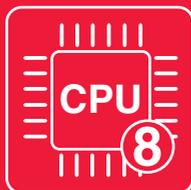
EXCELLENT OVERVIEW:

With the 5.0˝ screen everything that matters is in sight.

5.0˝

POWERFUL:

Octa-Core 2.2 GHz (Qualcomm SMD 660) for efficient processes without interruptions.

CPU 8

TOUGH:

Display with crack-resistent Asahi Dragontrail™ Pro glass fitted as a standard - one of the best in the industry.

ERGONOMIC:

Angled scan head for a natural hand posture, with the display always in view.

UP-TO-DATE:

Running Android™ 10 and option to upgrade to Android™ 13 from autumn 2023.

Focussing on the user's needs:
The application areas.

The BHT-M80 demonstrates its capabilities especially where data has to be collected and processed in bulk. Its ergonomic concept, optimum view of the display and easy-to-use functions are perfect for speeding up reading processes.

Its great robustness makes the BHT-M80 ideal for countless indoor and outdoor applications.

These are just a few examples of its wide range of applications.

ORGANIZE LOGISTICS

Scan and locate your deliveries in real time using wireless LAN* – for tracking and tracing and improved route planning.

OPTIMISE FIELD SERVICE

Record the process status and progress immediately on site and communicate with head office whenever you need to – via wireless LAN*.

PROFESSIONALISE RETAIL

Whether it's for warehousing, ordering or sales management, collect data with precision – even if codes are damaged.
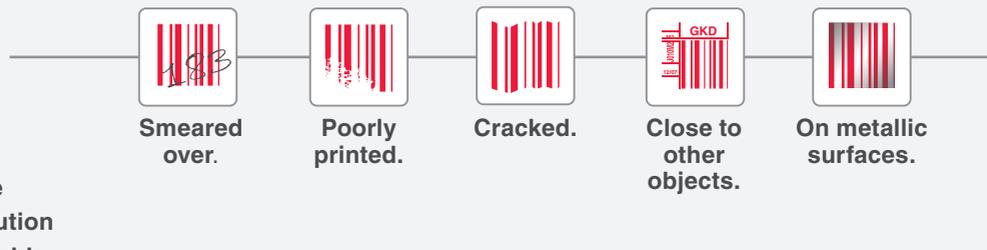
* depending on model

The result of continuous perfectionism:
The technical highlights.

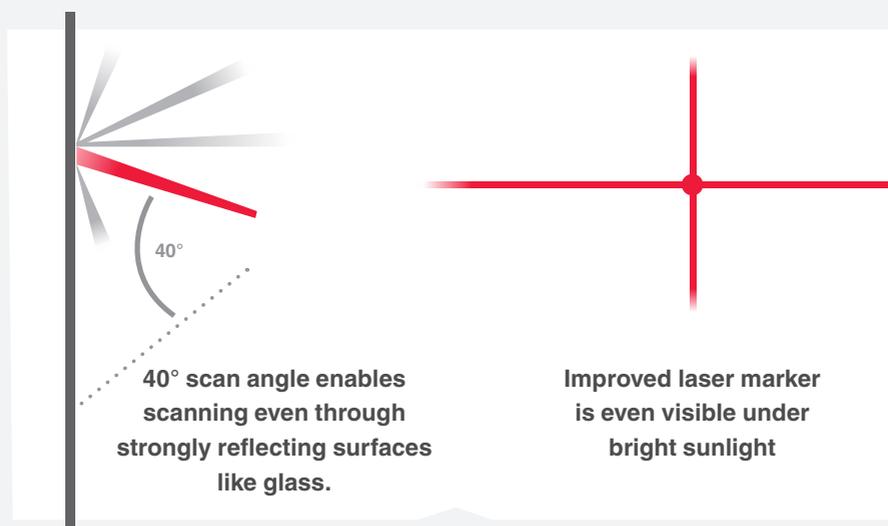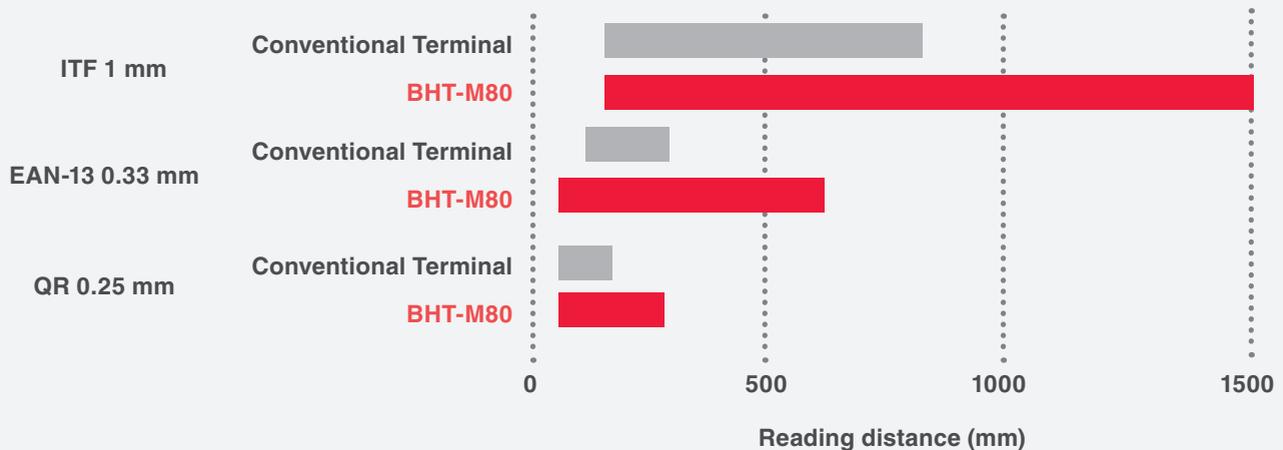Wherever better performance is demanded, technology has to progress.
The BHT-M80 makes advanced automatic ID technology the standard.

Reads even difficult labels

Smeared over.   **Poorly printed.**   **Cracked.**   **Close to other objects.**   **On metallic surfaces.**

Thanks to a new decode engine and a high resolution sensor, the BHT-M80 is able to read even the most difficult labels.

Superior scanning range

ITF 1 mm
- Conventional Terminal
- BHT-M80

EAN-13 0.33 mm
- Conventional Terminal
- BHT-M80

QR 0.25 mm
- Conventional Terminal
- BHT-M80

0   500   1000   1500

Reading distance (mm)

40°

40° scan angle enables scanning even through strongly reflecting surfaces like glass.

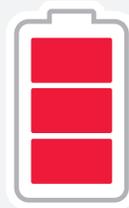**Improved laser marker is even visible under bright sunlight**

Tested to the extreme.
It wouldn't be DENSO otherwise.

Innovation simply for the sake of innovating is not what DENSO's about.
The BHT-M80 has passed our rigorous quality tests for robustness
and durability, **even in the harshest conditions.**

3
YEAR

warranty

Battery life

perfect for long
working hours.

Works at extreme
temperatures
from
**-20° to +50°
Celsius.**

3.0
metres

**Survived
umpteen
fall tests**
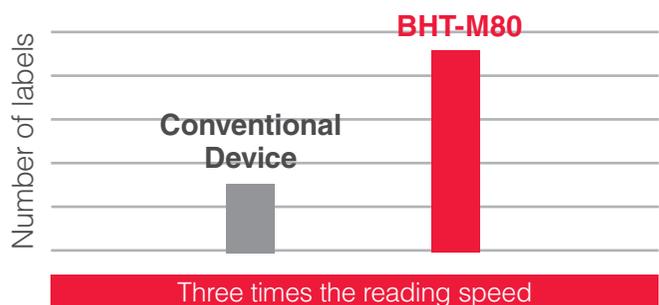
from heights
of up to 3.0 m.

**IP67-
certified**

protection against
water and dust.

SCANS QUICKLY AND EFFORTLESSLY THANKS TO ADVANCED TECHNOLOGY FROM DENSO.

**It is no secret anymore that mobile data
capture devices are a much faster option for
processes like goods receipts or stock takings
than the pen and paper method.** The BHT-M80
accelerates those processes even more: thanks to
a new decode engine combined with a high per-
formance CPU, which leads to three times faster
scannings than with conventional readers.

Superior reading speed.
Stress-less, continuous scanning.

BHT-M80

Number of labels

**Conventional
Device**

Three times the reading speed

SPECIFICATIONS

Model			BHT-M80-QWG	BHT-M80-QW
OS			Android™ 10	
CPU			Qualcomm® SDM660 64 bit 2.20 GHz (Octa-Core)	
Memory	RAM		4 GB	
	Flash ROM		64 GB	
Display	Screen size & resolution		5 inch HD (720×1280)	
	Display device		Dot matrix liquid crystal display (colour) *1	
	Backlight		White LED	
Reader	Reading method		Area sensor	
	Supported code	2D code	QR code®, Micro QR code, SQRC®, PDF417, Micro PDF417, Maxi code, Data Matrix (ECC200), and GS1 Composite	
		Barcode	EAN-13/8 (JAN-13/8), UPC-A/E, UPC/EAN (with add-on), and Interleaved 2 of 5 (ITF), Codabar (NW-7), CODE39, CODE93, CODE128, GS1-128 (EAN-128), and Standard 2 of 5 (STF), GS1 DataBar (RSS)	
		OCR	Supported *2	
	Minimum resolution	2D code	0.127 mm	
		Barcode	0.076 mm	
	Marker		Cross guide marker	
	Reading confirmation		Blue LED, speaker, and vibration	
Keys	Number of keys		5 keys (including power key) + 2 trigger keys	
Touch Panel			Asahi Dragontrail™ Pro *3 - wet touch / gloved fingertip /stylus	
Commu-nication	Wireless LAN connection	Standard	Compliant with IEEE802.11a/b/g/n/ac and MU-MIMO 2x2	
		Frequency	5 GHz-band (W52, W53, and W56, W58), 2.4 GHz-band (1 to 13 channels) *USA, Canada,Taiwan(1 to 11 channels)	
		Security	Encryption:OPEN, Enhanced Open, WEP(40/128), TKIP and AES WPA authentication: WPA and WPA2 and WPA3 User authentication: PSK, EAP-TLS, and PEAP	
	WWAN		Supported: GSM/W-CDMA/LTE and VoLTE FDD-LTE (4G) - Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 19, 20, 25, 26, 28 W-CDMA/UMTS/HSPA/HSPA+ (3G) - Bands 1, 2, 5, 6, 8, 19 GSM/GPRS/EDGE (2G) - Bands 850, 900, 1800, 1900MHz	-
	GPS		A-GPS/GLONASS/QZSS/BeiDou/ Galileo	-
	Bluetooth®		Bluetooth® Ver5.1+EDR/LE Supported Profile: RFCOMM/A2DP/AVCTP/ACDTP/GVDP/AVRCP/DUN/DI/ HFP/HID/HSP/IOP/MAP/OPP/BNEP/PAN/PBAP/SAP/SPP/HOGP/SCPP	
	USB		USB2.0 (Type-C)	
	NFC *4		ISO/IEC14443A&B and FeliCa, ISO/IEC15693 (RFID)	
Camera			Front 5MP autofocus, Rear 13MP autofocus	
Card slot			microSD (SDHC and SDXC (up to128 GB)) SDHC Speed class 4 supported	
Microphone receiver			Attached *5	
Speaker			90dB or more at 10 cm distance (at 2.8kHz)	
Sensor			G-sensor, gyro sensor, proximity sensor, light intensity sensor, and geomagnetic sensor	
Power supply	Main battery		Lithium-ion battery: 4,020mAh / 5,800mAh	
	Wirless charging		Supported (excl. battery and charger)	
	Quick charging		Supported (Quick charge 3.0)	
	Operating time *8		2,900 mAh battery: 14 h*9 / 4,020 mAh battery: 20 h*9 / 5,800 mAh battery: 29 h*9	
Environ-mental require-ments	Operating temperature *6		-20°C to 50°C	
	Operating humidity		5 to 95%RH (non-condensing and non-icing)	
	Protection rating *7		IP65 / IP67	
	Drop resistance *7		60 or more drops from 1.5 m, 3.0 m	
Weight (incl. battery)			ca. 365g (incl. BT1) / ca. 395g (incl. BT1L)	

*1. The LCD display is manufactured with precise technology.The rate of non-defective pixels is 99.99% or more, which means that 0.01% or less pixels
    could be stuck or dead.
*2. Lincense is required.
*3. Dragontrail® Pro is a registered trademark of AGC Inc.
*4. Before using the NFC function, perform test reading sufficiently using the target NFC card.
*5. A headset or headphone can be connected through the USB Type-C cable. A USB Type-C-to-audio jack (3.5 mm) conversion cable is optional.
*6. 0°C to 40°C during charging.
*7. These are the values tested at a room temperature, and not guaranteed values.
*8. The operating time is a reference value at a room temperature and may differ depending on the operating conditions.
*9. This is a result of measurement based on the JEITA HT Standard Operation Mode G, and may change depending on the operating environment and
    system settings.

SOFTWARE

- SDK
- Scan Settings
- BHT Browser
- BHT Link
- BHT Setting
- BHT DMS
- Battery Monitor
- WLAN Manager
- BHT Remote
- Application Launcher
- BHT Security Package

DIMENSIONS

ACCESSORIES (sold separately)

Communication / Charger

- USB type charger CU-M80U
- USB type charger CU-M80UQ (CQ3.0)
- Charger CU-M80L
- 4 slot unit charger CH-M80-4
- 4 slot battery charger CH-BT1-4
- AC adaptor
- AC adaptor (CQ3.0)

Batteries

- BT1 (4020 mAh)
- BT1L (5800 mAh)
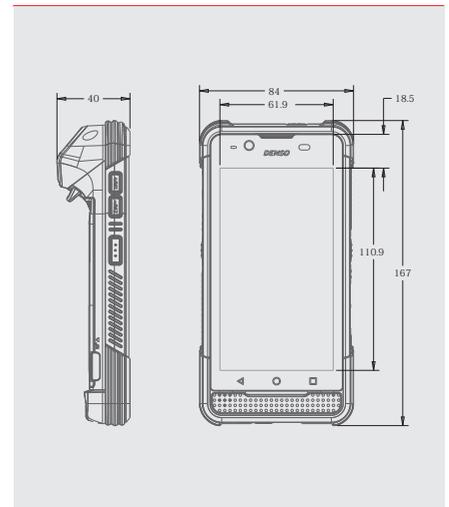- BT1S-W Wireless (2900 mAh)

Others

- Hand strap, waist case, stylus pen
- USB Type-C conversion cable (1.5m)

DENSO

TO USE THIS PRODUCT SAFELY Before using this product, read its User´s Manual thoroughly.