

INDUSTRIAL COMPONENT DATA

NB7W-TW01B NB7W9004H NB7WTW01B,1 OMRON Terminal NB 7" Color TFT, 800 x 480, Ethernet, USB master

Brand: OMRON | Manufacturer Part Number: NB7W-TW01B



Manufacturer	OMRON
MPN / Reference	NB7W-TW01B
Catalog number	NB7WTW01B.1
Category	Graphic panel
Minimum order	1 Pcs
Document ID	EO-0A37EC97F7
Generated	2026-07-29

Product Overview

Terminal NB 7" Color TFT, 800 x 480, Ethernet, USB master

Touch screen HMI, 7 inch WVGA (800 x 480 pixel), TFT color, Ethernet + USB Host

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path OMRON > Human machine interfaces > NB Series

Additional Product Information

Specifications

Screen diagonal 7 in

Number of pixels, horizontal 800

Number of pixels, vertical 480

Type of display TFT

Frame color Black

Number of Ethernet ports 1

Number of USB ports 2

Number of RS-232 ports 2

Number of RS-422 ports 1

Number of RS-485 ports 1

Number of colors of the display 65536

Number of grey-scales/blue-scales of display 64

Degree of protection (IP), front side IP65

Width of the front 202.0 mm

Height of the front 148 mm

Width of panel cutout 191 mm

Height of panel cutout 137 mm

Built-in depth 46 mm

Product Weight (unpacked) 1000 g

Accessories

CP1W-CN221 USB Programming cable, A-type male to B-type male, 1.8 m

NB7W-KBA04 Protective sheets for NB7W (5 sheets)

XW2Z-200T Cable, RS-232C, for connecting NT HMI 9-pin port to PLC 9-pin port, 2 m

XW2Z-500T Cable, RS-232C, for connecting NT HMI 9-pin port to PLC 9-pin port, 5 m

ETIM for 392041 PLC's (EC001412)

Feature Name

Feature Value

Type of display (EF008244)

TFT

Voltage type (supply voltage) (EF002991)

DC

Degree of protection (IP), front side (EF003118)

IP65

Touch technology (EF010884)

Resistive touch

Radio standard UMTS (EF008525)

No

Supporting protocol for EtherCAT (EF017564)

No

Process value representation (output) possible (EF003111)

No

With SW interfaces (EF003121)

Yes

Supporting protocol for other bus systems (EF003062)

Yes

Colour display (EF003097)

Yes

Supporting protocol for SERCOS (EF006657)

No

IO link master (EF007298)

No

Supporting protocol for KNX (EF003055)

No

With message system (incl. buffer a...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / NB7W-TW01B with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.