

MT8121IE

12.1-inch TFT Industrial HMI Touch Panel

Weintek MT8121IE, identified as MT8121iE in the manufacturer datasheet, is a 12.1-inch 1024 x 768 industrial HMI with resistive touch, a 600 MHz Cortex-A8 processor and serial, Ethernet, USB and SD

PRODUCT SNAPSHOT

BRAND
Weintek

FAMILY
Weintek MT8000iE Series

PART
MT8121IE

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

WHATSAPP / PHONE

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PRODUCT OVERVIEW

MT8121iE provides 12.1-inch industrial visualization, resistive touch operation and multi-interface controller communications for an EasyBuilder Pro project.



12.1-inch 1024 x 768 TFT display



4-wire resistive touch panel



600 MHz Cortex-A8 processor



Isolated RS-485, Ethernet, USB and SD connectivity

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
MT8121iE operator interface	Matched automation controller
Documented field communications	Approved HMI project and runtime

ENGINEERING CONTEXT

The HMI must remain matched to the selected MT8121iE target, project file, controller drivers and every serial, Ethernet, USB and SD assignment. Commissioning verifies boot, communications, screen behavior, alarm functions and retained data.

TECHNICAL DATA

PARAMETER	VALUE	PARAMETER	VALUE
Manufacturer model	MT8121iE	Touch accuracy	Active area X and Y +/-2%
Product type	Industrial HMI touch panel	Flash storage	128 MB
Display	12.1-inch TFT	RAM	256 MB
Display resolution	1024 x 768	Processor	Cortex-A8 32-bit RISC, 600 MHz
Brightness	500 cd/m2	SD card	SD / SDHC
Contrast ratio	700:1	USB host	USB 2.0 x 1
Backlight	LED, more than 50,000 hours	USB client	USB 2.0 x 1
Display colors	16.2 million	Ethernet	1 x RJ45, 10/100 Base-T
Touch panel	4-wire resistive	COM1	RS-232 and RS-485 2-wire/4-wire

RELATED PRODUCT PAGES

1 Allen-Bradley 2711P-T10C21D8S

2 Allen-Bradley 2711P-T10C22D9P

3 Allen-Bradley 2711P-T12W22D9P

4 Siemens A5E00714562-106124

5 B&R 5MP050.0653-03

6 Allen-Bradley 2711P-RDK10C

7 Allen-Bradley 2711P-RDT10C

8 Allen-Bradley 2711P-RDT12H

9 Allen-Bradley 2711P-RDT7CM

TECHNICAL NOTE

Use the manufacturer identity MT8121iE when selecting the EasyBuilder Pro target even when the commercial record is written MT8121iE. Back up the HMI project and retained data, and preserve 24 Vdc polarity, protective earth, isolated RS-485 assignments, Ethernet settings and SD/USB use.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Machine visualization

Displays process values and documented operating states.

PLC operator station

Provides touch commands through configured controller drivers.

Alarm and data handling

Supports project alarms, logs, recipes and retained records.

Legacy panel replacement

Restores the exact MT8121iE target and interface setup.

PRODUCT PRECAUTIONS

1

Confirm MT8121iE and the manufacturer MT8121iE identity on the label.

2

Place the machine and connected controller in the approved maintenance state.

3

Back up the EasyBuilder Pro project, recipes, logs and retained data.

4

Record 24 Vdc polarity, protective earth, COM1/COM3 modes, Ethernet, USB and SD use.

5

Isolate power and protect the resistive touch surface and all connectors.

6

Restore the MT8121iE project target, controller drivers, addresses and isolated serial assignments.

7

Review boot, CPU/COM indicators, communications and alarms after energization.

8

Test representative tags, commands, alarms, data entry and retained settings before release.

ENGINEER FAQ

Q1 How is the exact MT8121iE execution identified?

Match the commercial MT8121iE record to manufacturer model MT8121iE on the datasheet and HMI target selection.

Q2 What documented function does MT8121iE perform?

It provides 12.1-inch visualization, resistive touch operation and configured controller communications.

Q3 Which installed system must be matched before fitting MT8121iE?

Match the panel position, 24 Vdc supply, EasyBuilder Pro project, controller drivers and communication topology.

Q4 Which interfaces must be recorded for MT8121iE?

Record protective earth, COM1/COM3 mode, Ethernet address, USB roles and SD-card use.

Q5 What handling controls apply to MT8121iE?

Back up the project and data, isolate power and protect the touch surface and connectors.

Q6 What must be restored after installing MT8121iE?

Restore the MT8121iE target, project, drivers, station addresses, alarms, recipes and retained data.

Q7 What evidence confirms MT8121iE is ready for service?

Retain boot, indicator, touch, tag, command, alarm, communication and data-retention test results.

Q8 Which manufacturer record supports the MT8121iE page?

Weintek's MT8121iE_DataSheet_ENG_131009 supplies the exact display, processing, interface, power and environmental specifications.

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SOURCE MT8121iE Datasheet | Weintek / Weinview manufacturer datasheet
MT8121iE_DataSheet_ENG_131009

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