

INDUSTRIAL AUTOMATION PRODUCT

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 interfaces.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Weintek
System family	Weintek MT8000iE Series
Part number	MT8121IE
Document status	Controlled product and system reference

DOCUMENT SCOPE

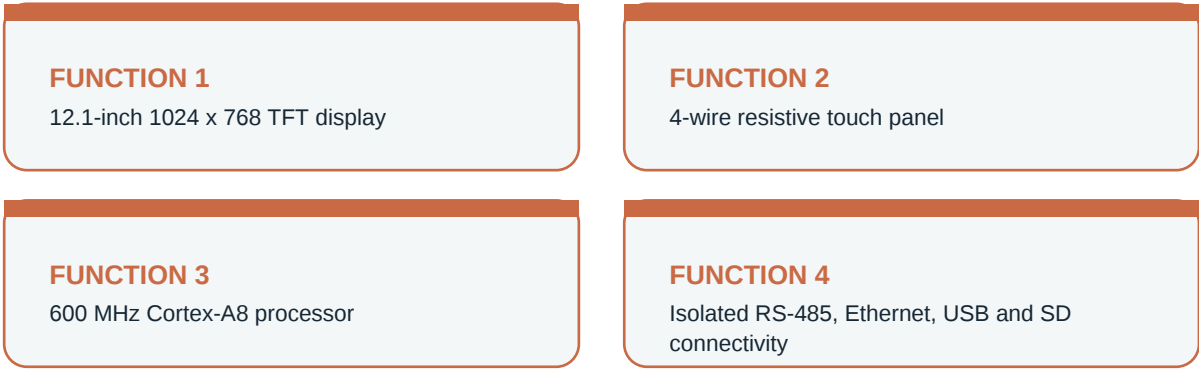
Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING 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.

System Role and Architecture

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 interfaces.



MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Weintek MT8000iE Series
02	Matched extension cable and ClickLoc connector loop
03	3300 XL Proximitior Sensor host channel
04	AISI 4140 steel target or approved equivalent

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Weintek MT8000iE Series
Interface role	12.1-inch TFT Industrial HMI Touch Panel
Field / power context	The HMI must remain matched to the selected MT8121iE target, project file, controller drivers and
Commissioning evidence	Identity, gap, polarity, response and alarm diagnostics recorded

INSTALLATION AND CONNECTION CHECKS

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.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

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-RDK10C	2 Allen-Bradley 2711P-RDT10C	3 Allen-Bradley 2711P-RDT12H
4 Allen-Bradley 2711P-RDT7CM	5 Allen-Bradley 2711P-T10C21D8S	6 Allen-Bradley 2711P-T10C22D9P
7 Allen-Bradley 2711P-T12W22D9P	8 Siemens A5E00714562-106124	9 B&R 5MP050.0653-03

ENGINEERING BOUNDARY

Confirm MT8121iE/MT8121iE, EasyBuilder Pro target and project, 24 Vdc supply, protective earth, COM1/COM3 wiring and isolation, Ethernet addressing, USB/SD use and controlled interface-test evidence before commissioning.

PRE-INSTALLATION CHECKS

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.

Applications and Engineering Context

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.

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.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	MT8121iE recorded
Host / carrier	Weintek MT8000iE Series
Physical interface	Power, field and communication interfaces matched to the as-found record
Configuration	Approved hardware and software configuration restored
Functional proof	Diagnostics and controlled operator-interface response recorded

IMPORTANT NOTICE

Confirm MT8121iE/MT8121IE, EasyBuilder Pro target and project, 24 Vdc supply, protective earth, COM1/COM3 wiring and isolation, Ethernet addressing, USB/SD use and controlled interface-test evidence before commissioning.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Allen-Bradley 2711P-RDK10C

View Allen-Bradley 2711P-RDK10C page

2

Allen-Bradley 2711P-RDT10C

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Allen-Bradley 2711P-RDT12H

View Allen-Bradley 2711P-RDT12H page

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Allen-Bradley 2711P-RDT7CM

View Allen-Bradley 2711P-RDT7CM page

5

Allen-Bradley 2711P-T10C21D8S

View Allen-Bradley 2711P-T10C21D8S page

6

Allen-Bradley 2711P-T10C22D9P

View Allen-Bradley 2711P-T10C22D9P page

7

Allen-Bradley 2711P-T12W22D9P

View Allen-Bradley 2711P-T12W22D9P page

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Siemens A5E00714562-106124

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MANUFACTURER SOURCE RECORD

MT8121iE Datasheet | Weintek / Weinview manufacturer datasheet MT8121iE_DataSheet_ENG_131009

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.