MV570 SMISVIEW OPERATOR INTERFACE

Product Data Sheet

MV570 1TNA928300R0001

Capacitive touchscreen operator panel

DISPLAY DIAGONAL	DISPLAY RESOLUTION	DISPLAY BRIGHTNESS	PROCESSOR
10.4 inch, 4:3 TFT with LED backlight	**800 x 600 pixels**	**300 cd/m2**	**Freescale i.MX6 dual-core, 800 MHz**

ABB MV570 1TNA928300R0001 is a 10.4-inch panel computer with an 800 x 600 color display and projected-capacitive touch interface. Its Freescale i.MX6 dual-core platform runs Android and supports the SmiSView operator interface for the documented MC510 project arrangement.

01 TECHNICAL DATA

Display diagonal	10.4 inch, 4:3 TFT with LED backlight
Display resolution	800 x 600 pixels
Display brightness	300 cd/m2
Processor	Freescale i.MX6 dual-core, 800 MHz
Operating platform	Android; release may vary with production date
Working memory	1 GB DDR3 SDRAM
Embedded flash	4 GB eMMC NAND
Touch interface	Projected capacitive
Ethernet interface	One 10/100/1000 Mbit/s port
USB host connections	Two USB 2.0 Type-A

02 ADDITIONAL PRODUCT DATA

DC supply	24 V DC
Typical power demand	8 W at 24 V DC
Operating temperature	0 to +55 C
Humidity	5-90%, non-condensing
Front protection	IP65 when correctly panel-mounted

03 PRODUCT FUNCTION

The panel provides 1 GB DDR3 memory, 4 GB eMMC storage, two USB 2.0 host ports and one Gigabit Ethernet interface. It uses a 24 V DC input with typical consumption of 8 W. Front IP65 protection depends on correct panel mounting, a flat cutout edge and proper gasket compression; it is not an all-sided enclosure rating.

04 SYSTEM COMPATIBILITY

Make the panel opening to the manufacturer drawing, keep its edge flat, fit the sealing gasket and fasten the six retaining clips as shown. The IP65 front rating depends on this mounting arrangement. Avoid direct long-term sunlight and corrosive chemical exposure, and operate the capacitive touchscreen without sharp tools.

05 REFERENCE

ABB MV570 User Manual 1TNC928212M2002, Rev B, November 2024.

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