

12.1" Embedded Touch Panel

Embedded Touch Panels

5.7"	4:3	640x480 VGA
8.4"	4:3	800x600 SVGA
8.5"	16:9	800x480 WVGA
12.1"	4:3	800x600 SVGA

Your solution for all industrial applications:

Choose leading technology.



- Resistive TFT Touch Panel
- SVGA 800x600
- Ultra Viewing Angle
- LED Backlight
- Ultra Low Power
- Fanless
- NetLogic Alchemy® MIPS® or TI Sitara™ ARM® Cortex®-A8
- Long Term Availability
- Highest Reliability
- Made in Germany

ULTRATRONIK Embedded Touch Panels

are ready to integrate, supporting various industry standard interfaces like Ethernet, USB, RS485 or CAN.

Tested Components for best User Experience

Based on ULTRATRONIK MMI3 and MMI4 ultra low power computing platforms the Embedded Touch Panels supports a wide temperature range without the necessity of active or passive cooling.

Ready and Built for Easy HMI | MMI Development

Our Panels are build on industrial proven components and manufacturing technologies including a very high reliable LED TFT. In combination with the very low power consumption it is optimized for a 24/7 operation application.

Customization

Contact us for more details and proposals for your applications!

ULTRATRONIK GmbH

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12.1" Embedded Touch Panel

Specifications

Display	
Size	12.1"
Resolution	SVGA 800x600 px
Quality	TFT Industrial Grade LCD
Viewing angle	160° / 140°
Backlight	White LED
Brightness	500 cd / m ²
Touch Screen	resistive
Front Bezel	continous aluminium front IP65

Main System		
MIPS® based	CPU	NetLogic Alchemy® MIPS®32 Au1250 @ 500 MHz
	Memory	256 MB DDR2 SDRAM
	Storage	64 MB NOR Flash, µSD-Card, CompactFlash™-Card
ARM® based	CPU	TI Sitara™ ARM® Cortex®-A8 DM3703 @ 800 MHz
	Memory	256 MB mDDR SDRAM
	Storage	256 MB NAND Flash, µSD-Card

I/O Connectors	
Ethernet 10/100 MBit	x1
USB 2.0 Host	x2
RS232	x2
RS485 isolated	x1
CAN 2.0B isolated	x1
Power Supply 10 – 30 V DC, EMI protected	12 W

Operating System		
Embedded Linux	Kernel	2.6.36 or newer
	RootFS	Open Embedded, opkg based
	gcc	4.5.2
Windows Embedded CE	Version	6.0 R3

Enviroment	
Temperature	-10° - +60° C operation (without condensation)
Certification	CE

Ordering Information

Embedded Touch Panel

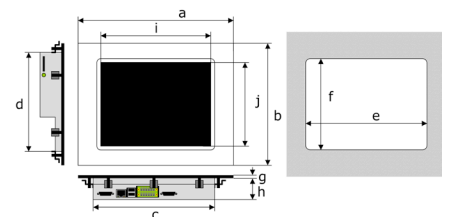
MIPS® @ 500 MHz	
Linux	SP7-12H-05-K
WinCE	SP7-12H-15-K
ARM® @ 800 MHz	
Linux	SP8-12H-08-K
WinCE	SP8-12H-18-K

EASY HMI | MMI DEVELOPMENT



DEV Stick: plug – boot – develop
No installation or setup effort for linux!

Measurements



a	b	c	d	e	f	g	h	i	j
327	265	284	212	308	236	5	62	247	185

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