10" Embedded Touch PC

- Allwinner V40 Cortex® A7 QuadCore 1GHz Processor
- 1 GB DDR3 RAM; 8 GB EMMC FLASH
- Supports Linux & Android up to version 6.X (WinCE optional)
- Optional Bluetooth & GPS
- via Mini PCIe 3G and 4G support
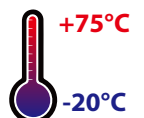- Integrated HI-FI 100dB Audio Codec, 2x 6W amplifier

Available in two standard versions with just W-LAN or with W-LAN, Bluetooth 4.0 and GPS integrated, POE-plugIn and OTG-port added, This is a very power efficient Quad Core solution for Linux and Android projects. Even WinCE-BSPs are available for project partners. Now available with this embedded capacitive TPC series or also as single embedded system. This 10" Embedded Touchscreen Series is the cost effective solution for machine control, automation, and digital signage. By including pre-installed Android 4.2, Android 4.4 or Linux, a powerful Allwinner V40 QuadCore CPU, Mali400MP2 graphics chipset, numerous interfaces such as USB, serial, network, TTL / UART, Mini-PCIe, HDMI, VGA, GPIO, LVDS and extended DC –IN, this new Embedded Series PPC is the right choice for reliable, industrial solutions.

Each embedded system comes standard with 1 GB DDR3 RAM and 8 GB flash memory and includes a S- ATA connector as well as SD card slot for further hard disk expansion. Wi-Fi is integrated, and over MiniPCIe the systems can be upgraded to 3G + GPS using the available SIM card slot.

The touch features capacitive 10-finger multitouch panels, Anti Glare chemical etched treatment and optional bonded to the LED backlighting panels,

The design of the Embedded Touchscreen series follows the application: flat easy to integrate IP65 front and stable rear housing with VESA-100 mounting for fixing / integration.

This new Embedded Touchscreen Series is a powerful yet cost-effective solution for intelligent machine control, and like all embedded reliable touch devices built for precision and durability.

FANLESS · ANDROID · AW · HDMI · W-LAN · USB CERTIFIED ON-THE-GO · USB UNIVERSAL SERIAL BUS · +75°C / -20°C

Product name	10" Embedded Touch PC
Article code / EAN numer	FT10V40M400W1G8GCAP

Anti-glare LCD Panel	
IP Rated Front Panel	IP65
Screen diagonal (Inch/cm):	9.7/24.64
Display active screen size:	19.70 x 14.70
Aspect ratio:	4:3
Physical resolution:	1024x768
Maximum showable resolution (TPCs: external):	1920×1200
Colours displayed:	16.7M
Brightness (cd/m2):	350
Contrast:	800:1
Typical reaction time Tr/ Tf (ms):	10/15
Visual Angle horizontal/vertical (°):	170/170
Backlight / Backlight Lifetime (hours):	LED / 20,000 0

Operation / Mechanical	
Operating Temperature (°C)	-20 ~ +75
Humidity Range (RH)	20%-90%
Net weight (kg)	2.00
Gross weight (kg)	2.80
Housing material	Aluminum
Housing (cm) LxWxH	24.50 x 19.60 x 4.20
Mounting	VESA 100

PC System	
CPU	Allwinner V40 Cortex™ A7 QuadCore
Chipset	Cortex A7
Graphic GPU	ARM® Mali400 Mp2 Complies with Open-GL ES 2.0/1.1
Audio	Integrated HI-FI 100dB Audio Codec Dual analog mic, 2x6W amplifier
Memory	1x 1GB DDR3
Storage	8GB EMMC Flash
Network	10M/100M/1000M Network; W-LAN
Driver Support	Linux, WinCE
Preinstalled OS	Android 4.4 (W-LAN) Android 4.2.2 (W-LAN, GPS, Bluetooth)

Touch Panel	
Touch Technology	Projected Capacitive 10-Point Multitouch
Touch Connector	USB
Touch Panel Drivers	Windows; Linux; Mac; Android
Touch Life (Contacts)	Unlimited
Surface Hardness	7H

Power	
Power Indicator	Green LED
Power Supply	100-240V ACDC active switching; 12V DC-Out
Working Power (V)	8~18
Power Consumption (W)	18
Stand-By Consumption (W)	<1

Expansion slots
1x MiniPCIe

Included Accessories
Power Supply (see Power section)
W-LAN Antenna
Short Installation Manual
Standard Stand

External Connectors
8-18V DC-IN, screwable
2x USB 2.0
1x USB OTG
1x Serial
1×10/100/1000Mbit RJ45 Ports with connector for POE
1x Audio-In
1x Audio-Out
1x W-LAN-connector
1x HDMI
1x GPIO Connector

Internal Connectors
1x SD-card
1x SIM-card
2x Serial
4x TTL UART
2x USB 2.0
1x USB OTG
1x Audio-in, Audio-out
18/24Bit LVDS
12x GPIO
1x Amplifier for 2x 6W loudspeaker
1x SATA-Port
1x RTC
1x Line-In
1x Line-Out