7" Embedded Touch PC

faytech

- Allwinner® V40 Cortex™ QuadCore Processor
- 1 GB DDR3 RAM; 8 GB EMMC FLASH
- Cortex™ A7 Chipset
- Full HD Resolution – 1920 x 1080
- Android 4.2, 4.4 & Linux Support, WinCE optional
- Optional Bluetooth & GPS
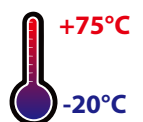- Integrated HI-FI 100dB Audio Codec, 2x 6W amplifier

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, it is faytech´s most powerful QuadCore solution for Linux and Android projects. Even WinCE-BSPs are available for project partners. Now available in faytech´s embedded capacitive TPC series or also as single embedded system. faytech's 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, faytech's new Embedded Series 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, backed by faytech's warranty for pixel accuracy (A + quality).

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.

faytech 's new Embedded Touchscreen Series is our most cost-effective solution for intelligent machine control, and like all faytech's reliable touch devices built for precision and durability.

OTG   GPIO   EAR   MIC   HDMI   POE   SIM CARD   USB   12V DC-IN

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

Product name	7" Embedded Touch PC
Article code / EAN numer	FT07V40M400W1G8GCAP / 6920734007905

LCD Panel	
IP rating	IP65 Front / IP40 Back
Screen diagonal (Inch/cm)	7/17.78
Display active screen size (cm)	15.36×9.00
Aspect ratio	16:9
Physical resolution	1024×600
External Maximum showable resolution - DP	1920×1080
Colours displayed	262K
Brightness (cd/m²)	500
Contrast	700:1
Typical reaction time Tr/ Tf (ms)	10/15
Visual Angle horizontal/vertical (°)	150/145
Backlight / Backlight Lifetime (hours)	LED / 20,000

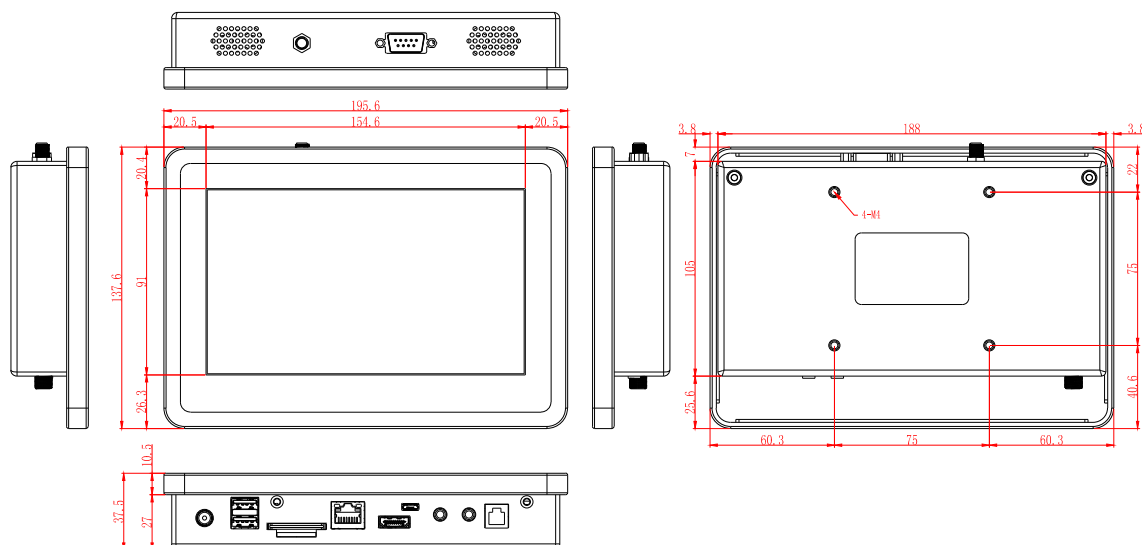| Operation / Mechanical	
Operating Temperature (°C)	-10 ~ +60
Humidity Range (RH)	10%-90%
Net weight (kg)	1.0
Gross weight (kg)	2.0 (incl. cartonage)
Housing material	Rubber Front Case, Plastic Back Case
Housing (cm) LxWxH	19.56 x 13.76 x 3.75
Mounting	VESA 75

PC System	
CPU	Allwinner® V40 QuadCore (A20 DualCore optional)
Chipset	Cortex A7
Graphic GPU	ARM® Mali400 Mp2 Complies with OpenGL 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	Android 6.0 / 4.4 (A20: Android 4.4 / Linux Linaro)
Preinstalled OS	Android 6.0 / 4.4 (A20: Android 4.4)

Touch Panel	
Touch Technology	Projected Capacitive 10-Point Multitouch
Touch Connector	USB
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)	8
Stand-By Consumption (W)	<1

Internal Connectors
1x SD-card
1x SIM-card
2x Serial
4x TTL UART
2x USB 2.0
18/24Bit LVDS
6x GPIO (A20: 20x GPIO)
1x Line-In
1x Line-Out
1x Amplifier for 2x 6W loudspeaker
1x SATA-Port
1x RTC

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

Included in the Delivery
Power Supply (see Power section)
W-LAN Antenna
Short Installation Manual

Expansion slots
1x MiniPCIe