13.3" Embedded Touch PC

faytech

- Allwinner A20 Cortex™ DualCore Processor
- 1 GB DDR3 RAM; 8 GB NAND 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 cost effective but still powerful DualCore 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 A20 Dual Core 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.
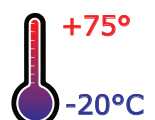
Each embedded system comes standard with 1 GB DDR3 RAM and 8 GB flash memory and includes a S- ATA connector as well as SD card slot for further hard disk expansion. Wi-Fi is integrated, and over MiniPCIe the systems can be upgraded to 3G + GPS using the available SIM card slot.

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.

+75°
-20°C

Product name	13.3" Embedded Touch PC
Article code / EAN numer	FT133A20M400W1G8GCAP / 6920734013814

Anti-glare LCD Panel	
IP Rated Front Panel	IP65
Screen diagonal (Inch/cm):	13.3/33.78
Display active screen size:	29.37×16.52
Aspect ratio:	16:9
Physical resolution:	1280×1080
Maximum showable resolution (TPCs: external):	1920×1200
Colours displayed:	16.7M
Brightness (cd/m2):	350
Contrast:	700:1
Typical reaction time Tr/ Tf (ms):	14/11
Visual Angle horizontal/vertical (°):	178/178
Backlight / Backlight Lifetime (hours):	LED / 15,000

Operation / Mechanical	
Operating Temperature (°C)	-20 ~ +75
Humidity Range (RH)	10%-90%
Net weight (kg)	1.35
Gross weight (kg)	3.50
Housing material	Plastic
Housing (cm) LxWxH	34.76 x 21.91 x 3.15
Mounting	VESA 100

PC System	
CPU	Alwinner A20 DualCore
Chipset	Cortex A7
Graphic GPU	ARMÂ® 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 NAND 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)

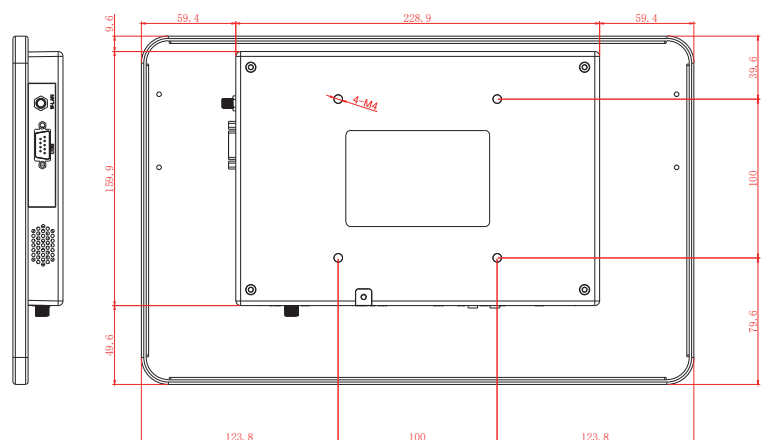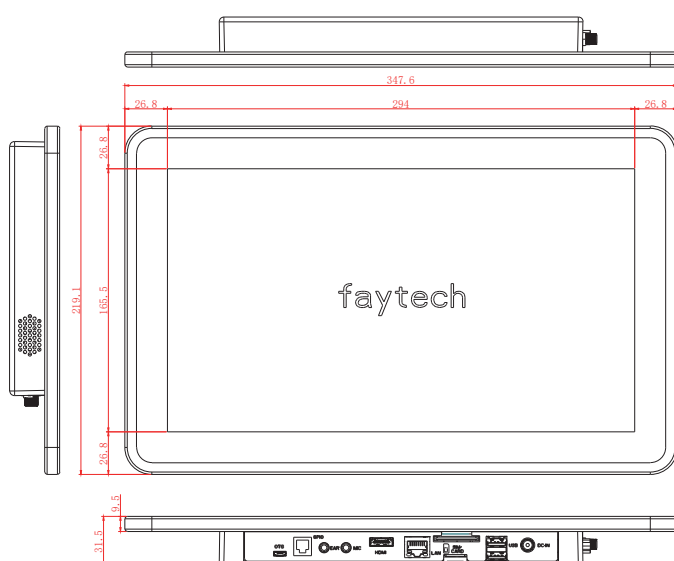| Touch Panel	
Touch Technology	Projected Capacitive 10-Point Multitouch
Touch Connector	USB
Touch Panel Drivers	Windows; Linux; Mac; Android
Touch Life (Contacts)	Unlimited
Surface Hardness	7H

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)	<0.5

Expansion slots
1x MiniPCIe

Included Accessoris
Power Supply (see Power section)
WiFi Antenna
Short Installation Manual

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

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

Corporate Headquarters

faytech Tech. Co., Ltd.
Building F., Hongmen Tech. Zone,
Jihua Rd., Shenzhen, China 518129

support@faytech.com
contact@faytech.com
www.faytech.com

China: +86 755 89580612
Germany: +49 551 82098660
USA: +1 646 205 3214