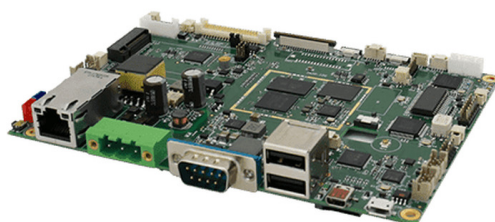


IM30 A53 Quad-core ARM Embedded Board

Manufacturer part number: IM30 | Embedded Board



Explore Winmate IM30, an industrial embedded board featuring 3.5-inch form factor for OEM equipment design and embedded control.

System Specification	
Processor	ARM A53 (Quad Core 2.0GHz)
Memory	4GB LPDDR4
Storage	eMMC: Onboard 32 GB
Operating System	Android 11 (Upgradeable to Android 13) (Default), Linux Yocto 5.10.104 with QT 5.15 (Optional), Linux Ubuntu Server 22.04 (Optional)
WLAN	Support (Optional)
BT	Support (Optional)
WWAN	4G/LTE (Optional)
IO Ports	
USB Port	2 x USB 2.0 Type A , 1 x Micro USB 2.0 OTG
Serial Port	1 x RS232/422/485
LAN	1 x RJ45 (Default), PoE(PD, 802.3AT) (Optional)
Video	1 x Micro HDMI (Optional)
SD Card Slot	1 x Micro SD card slot (Max to 32GB)
SIM Card Slot	1 x Micro SIM Card Slot
Expansion Port	1 x M.2 3042 B-key Slot (for WWAN Module)
Power Input	1 x 3-Pin Terminal Block, 12V DC
Internal IO Ports	
Power output	1 x 5V output (2 Pin Wafer), 1x 3.3V output (2 Pin Wafer),
USB	4 x USB 2.0 (2x4 Wafer/per), 2 x USB 2.0 for Touch (FFC Connector)
UART	1 x 6 Pin for UART, 1 x 6 Pin for Debug
Serial port	1 x RS232/422/485 (2x5 Wafer)
Display	1 x LVDS (DF13) (Default), 1 x LVDS (FPC) (Optional), 1 x EDP (15 Pin Wafer) (Optional)
Backlight	1 x Backlight wafer(7 Pin)
DIDO	1 x 14 Pin DIDO (6 DI, 6 DO, GND, 5V)
OSD	1 x GPIO for 5 key OSD (6 Pin Wafer), 1 x GPIO For Membrane OSD (2x5 Wafer)
Speaker	2 x Speaker (L/R, 2 Pin Wafer)
Backup battery	1 x RTC Battery

Audio	2 x DMIC (4 Pin Waffer/Per), 1 x Analog MIC (2 Pin Waffer)
LED	2 x 4pin(1x4) for LED light bar indicator
I2C	1 x I2C
ANT	3 x IPEX connector (Wi-Fi, BT) (Optional)
Certification	
Certification	CE, FCC
Mechanical	
Dimension	146 x 102 mm
Environment	
Operating Humidity	95% RH, Non-Condensing
Operating Temperature	-20 deg C to 60 deg C
Storage Temperature	-25 deg C to 65 deg C
Accessory	
Accessory	Manual