

COM-1505-FT

COM Express Module

COM-1505-FT is a COM Express module based on a Phytium D2000 octa-core processor and equipped with an X100 high-performance bridge chip as the core. Its structure conforms to the Basic module standard of COM Express125 x 95, which is a standard TYPE6 specification with a 100% localization rate and integrates rich peripheral ports and buses so that users can quickly build a system platform based on Phytium D2000.

The CPU adopts a Tengrui D2000 octa-core processor with a dominant frequency of 2.3GHz (wide temperature of 2.0GHz); it is equipped with Phytium's new generation of independent bridge chip X100, integrated 3D GPU display function and 1-channel SO-DIMM DDR4 memory slot. The module is characterized by a compact structure, low power consumption, SMT process design for the whole board, high performance, high localization, high stability and high reliability. It can be widely used in government, scientific research, medical treatment, electricity, communication, transportation and other fields.



Product Features



Phytium chip



Memory of up to 32G

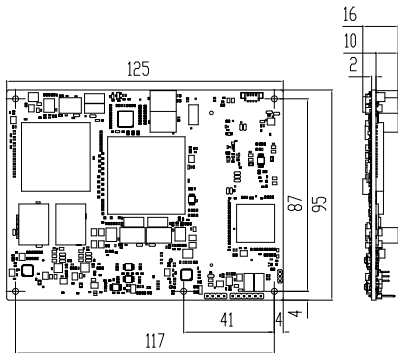


100% localization



Flexible customization

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Tengrui D2000/8
Chipset	X100
System Memory	1-channel SO-DIMM DDR4 memory slot, up to 32G
Storage Configuration	4*SATA3.0
Display Signal	1*DP, 1*VGA
USB Signal	4*USB2.0, 4*USB3.0
LAN Signal	1-channel 10/100/1000Mbps Ethernet
Sound Card Configuration	1*HDA
Other Port Signals	2-channel serial port 8*GPIO(4*GPI/4*GPO) 1-channel I2C 1-channel FAN
Bus Expansion	1*PCIE3.0X16 (can be divided into 2*X8), 8*PCIE3.0X1
Power Supply	Single 12V power supply and 5VSB, 12V power supply
Environmental Requirements	Working temperature of single board: COM-1505-FT-01: -20°C~+55°C; COM-1505-FT-02: -40°C~+55°C;
	Motherboard storage temperature: (-55)°C~(+70)°C
	Steady damp heat: (40)°C (95)% RH, without condensation
Product Dimensions	125mm × 95 mm
Operating Systems	Kylin, Unity UOS

Ordering Information

Part No.	Model	Description
0030-023921	COM-1505-FT-01	FT D2000/8 processor (2.3GHz/-20°C~+55°C) /1*DDR4/VGA/DP/4*USB3.0/4*USB2.0/4*SATA3.0/1*LAN/2*COM/1*PCIE3.0X16/8*PCIE3.0X1
0030-023931	COM-1505-FT-02	FT D2000/8 processor (2.0GHz/-40°C~+55°C) /1*DDR4/VGA/DP/4*USB3.0/4*USB2.0/4*SATA3.0/1*LAN/2*COM/1*PCIE3.0X16/8*PCIE3.0X1
1500-008991	COM-1505-FT Heat Sink Module	heat sink module/ROHS

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.