

ITA-1501

Freescale® i.MX6 Quad Fanless Compact System with Multiple COM Ports and Dual Displays



Features

- Built-in i.MX6 Quad - 4x Cortex-A9 processor
- Onboard 2G DDR3L memory design
- Supports 8G/16G EMMC NAND Flash for OS
- Supports 6 x USB 2.0
- Supports 2 x DB9(RS232/422/485),4 x DB9(RS232)
- Supports Dual Displays
 - Optional 2 x VGA Display
 - Optional VGA + HDMI Display
- Supports 1 x GbE
- No RED Certification

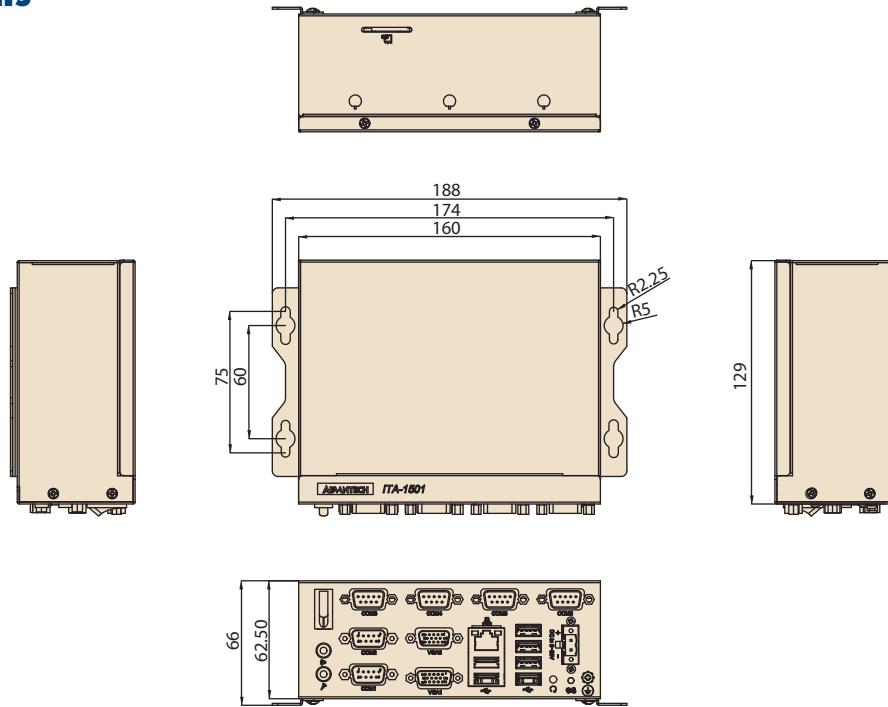


Specifications

Processor System	CPU	Freescale i.MX6 Quad - 4x Cortex-A9	
	Processor Base Frequency	1.0 GHz (Burst Frequency 1.2GHz)	
	L2 Cache	1 MB	
	Core Number	4	
Memory	Technology	Single channel DDR3L 1066 MHz SDRAM on board	
	Capacity	2GB	
Graphics	Controller	Freescale i.MX6 integrated hardware accelerators	
	Dual display	VGA +HDMI or 2 x VGA Single channel :1920 x 1080 @ 60 Hz Dual channel :1920 x 1080 @ 60 Hz	
Ethernet	Interface	10/100/1000 Mbps	
	Controller	RTL8211E	
	Connector	1 x RJ-45	
Storage	Internal	8GB EMMC NAND Flash for O.S & 4MB SPI NOR Flash for ADV Loader	
	External	1 x 2.5" SDD bay or CF module	
I/O	Main Display	VGA1	
	Second Display	HDMI or VGA2 (optional)	
	SATA	1 x SATA 2.0	
	USB	6 x USB2.0	
	SD	1 x SD	
	Serial Port	2 x DB9, RS232/422/485 with automatic flow control 4 x DB9, RS232(only support TX/RX) (pinhead)	
	Audio	1 x Speaker-out with 2 x 4W amplifier, 1 x Mic-in	
	Mini PCIe	1 x Mini PCIe with SIM slot	
	Power	Input Voltage	12 V _{DC}
Watchdog Timer	Output	System reset	
	Interval	Programmable 1~255 sec/min	
Environment	Operating Temperature	Operating	Non-operating
	Temperature	0 ~ 60 °C	-40 ~ 85 °C
Mechanical Features	Dimension (W x H x D)	160 x 62.5 x 129 mm (6.3" x 2.46" x 5.08")/188 x 66 x 129 mm (7.4" x 2.6" x 5.08") with mounting kits	
	Install	Desktop/Wall-mounting	
Certifications	EMC	CCC/CE/FCC	
	Safety	CCC/UL/CB	

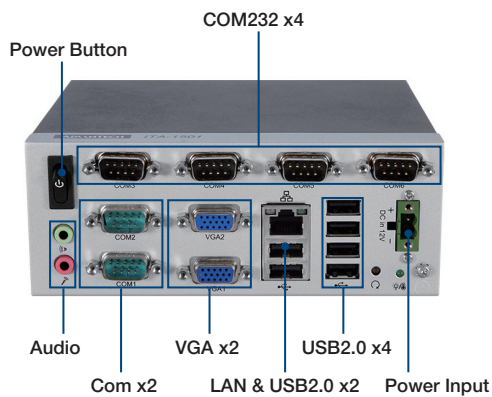
Dimensions

Unit: mm



Front View

Rear View



Ordering Information

Part Number	CPU	Onboard Memory	Display	LAN	USB	SD	COM (RS232/422/485)	COM (Only RS232)
ITA-1501-00A1	Cortex A9	2GB DDR3	VGA + HDMI	1	6	1	2	4
ITA-1501-01A1	Cortex A9	2GB DDR3	VGA x 2	1	6	1	2	4