



Arpex-1600

1U AMD® LX900 600MHz Embedded Computer

Computer on Module

Compact Board

Slot Board

Industrial Motherboard

Wide Temperature

SBC Daughterboard / Power Converter / Mounting Kit

Rugged Tablet PC

Medical PC

Industrial Panel PC/Monitor

Box PC

Industrial Chassis / Backplane / Power supply



Features

- Soldered Onboard AMD® LX900 600MHz CPU
- Built-in Alphanumeric LCM Module
- Isolated Serial Ports (RS-232/422/485)/CAN-BUS
- Fanless Design
- Super Slim and Compact Mechanical Design
- Soldered Onboard 512KB FRAM
- Easy Installation/Exchange of Storage Devices
- Wide Range DC Input (9 ~ 33V)

System

CPU	Soldered onboard AMD® LX900 600MHz CPU
Memory	Soldered onboard 512KB FRAM 512MB DDR SDRAM SO-DIMM installed
Storage	1 x CompactFlash Type II Socket 1 x 2.5" drive bay for SATA HDD/SSD
LAN	2 x Realtek RTL8110SCL 10/100/1000Base-T Ethernet
Serial Port	3 x Full RS-232, 1 x RS-422/485/CAN (with optical isolation design of 3.75KV)
USB Port	2 x USB 2.0 (Host)
KB/MS	1 x PS/2 Keyboard and Mouse
VGA	1 x VGA connector, resolution up to 1920 x 1440 x 32 bpp at 85Hz
Indicators	LED for power, IDE
Digital Input	4ch
Digital Output	4ch
Analog Input	2ch

Mechanical & Environmental

Operating Temp.	-10 ~ 60°C (14 ~ 140°F) (CF, SSD, wide temp. HDD) -10 ~ 45°C (14 ~ 113°F) (CF, HDD)
Storage Temp.	-20 ~ 80°C (-4 ~ 176°F)
Operating Humidity	10 ~ 95% RH @40°C (non-condensing)
Vibration Protection	1Grms
Dimensions (W x D x H)	242.5 x 138 x 44.5 mm (9.55" x 5.43" x 1.75")
Weight (Net)	1.9 kg (4.2 lb)
Mounting	Support wall-mounting

General

Certification	CE, FCC, CB
Enclosure	Aluminum
OS Support	Microsoft Windows XP/XPe/CE.Net, Linux
Watchdog Timer	1~255 levels reset

Power System

Connector One ME-050 3-pin DC jack for power adapter

Power Input DC 9 ~ 33V

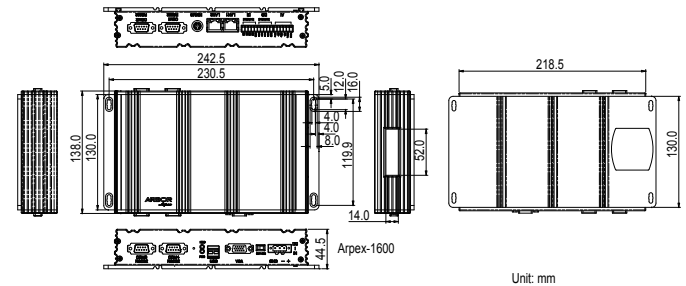
Power Consumption 18W

Enhanced Features

Alphanumeric LCM Built-in LCM module

Isolated I/O 3.75KV optical isolation for all serial ports

Dimensions



Ordering Information

Arpex-1600	1U AMD® LX900 600MHz embedded computer
Arpex-1600-E4	Arpex-1600 w/o isolated COM, LCM, FRAM, DRAM, CAN-BUS

All specifications are subject to change without notice.