Computer on Module
Compact Board
Slot Board
Industrial Motherboard
Wide Temperature
SBC Daughterboard /Power Convertor /Mounting Kit
Rugged Tablet PC
Medical PC
Industrial Panel PC/Monitor
Wide Temperature Box PC
BOX PC
Network Appliance
Industrial Chassis /Backplane /Power supply

Rigid-730

Extreme Rugged, Intel® P8400 Core™ 2 Duo, Fanless Embedded Controller

+70
-40 C

Features

- **Wide Operating Temperature (-40 ~ 70˚C)**
- Fanless Design
- Wide Range DC Power Input (10 ~ 28V)
- Rugged Design for Shock/Vibration Protection
- Rich Onboard I/O and Expansion Slots (1 x PCI, 1 x Mini-card)
- Various Video Interfaces (Analog RGB, DVI, DisplayPort, TV-out)
- 1 x Outside Accessible CF Slot
- Easy Installation/Maintenance
- Support DDR2 SO-DIMM up to 4GB

System

CPU	Intel® Core™ 2 Duo processor P8400 2.26GHz with 1066MHz FSB, 3M cache
Memory	2 x 200-pin Dual Channels DDR2 SO-DIMM Sockets up to 4GB at 667/800MHz (2GB WT DDR2-800 SDRAM installed by default)
Chipset	Intel® GM45 + ICH9M
Graphics	Intel® GM45 integrated GMA X4500, support DirectX 10, Shader Model 4.0
ATA	2 x Serial ATA ports with 300MB/s HDD transfer rate
LAN Chipset	2 x Realtek RTL8111 Gigabit Ethernet controllers
Watchdog Timer	1~255 levels reset

I/O

Serial Port	1 x DB-44 female connector
	3 x RS-232 ports / 1 x RS-232/422/485 selectable port
USB Port	8 x USB 2.0 ports
LAN	2 x RJ-45 ports for Gigabit Ethernet
Video Port	1 x DB-15 female connector for Analog RGB
	1 x DisplayPort
TV-out	1 x 6-pin Mini-DIN connector for S-Video output, or Composite output via external cable
Selectable Port	Either DVI or Digital I/O or LPT
	1 x DVI-D female connector for Digital Video output
	1 x 16-bit digital I/O, 8 in/8 out
	SPP/EPP/ECP mode for LPT
Audio	Mic-in/Line-out (6W pre-amplified)
KB/MS	1 x 6-pin Mini-DIN for Keyboard and Mouse
Expansion Bus	1 x PCI slot w/ riser card
	1 x Mini-card slot

Environmental

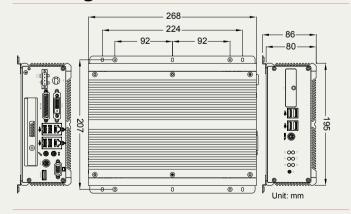|	
Operating Temp.	-40 ~ 70°C (-40 ~ 158°F), ambient w/ air flow
Storage Temp.	-40 ~ 85°C (-40 ~ 185°F)
Relative Humidity	10 ~ 95% @ 40°C (non-condensing)
Vibration	3 Grms/5~500Hz/random operation
Shock & Crash	Operating 20G (11ms), Non-operating 40G with HDD
	Operating 40G (11ms), Non-operating 60G with CF/SSD
	Crash 80G (11ms)

Qualification

Certification	CE, FCC

Power System

Power Input	DC 10~28V input (4-pin DC input terminal block with remote power on/off switch)
Power Consumption	60W (Max.)
Power Adapter	120W AC/DC adapter

Storage

Type	1 x 2.5" drive bay for HDD/SSD
	1 x CompactFlash Type II Socket (outside accessible)

Mechanical

Construction	Aluminum alloy
Mounting	Wall-mount (Default integrated)/Din rail mounting
Weight	3.9 kg (8.6 lb), w/o storage device
Dimensions (W x D x H)	195 x 268 x 80 mm (7.68" x 10.55" x 3.15")

Drawing

Unit: mm

Ordering Information

Rigid-730	Fanless embedded controller
DRK-001	Din rail mounting kit of FPC series
SSD-25080	Intel® 2.5" 80GB SATAII SSD kit

All specifications are subject to change without notice.