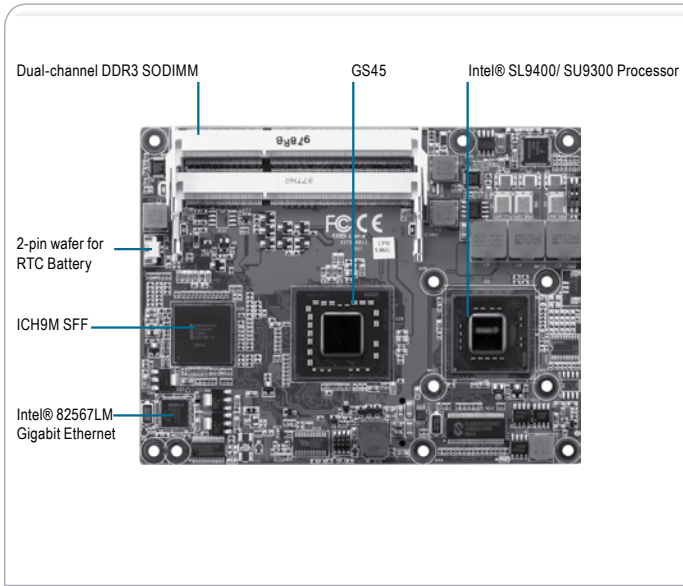


COM-45GSW1

COM Express CPU Module with Onboard Intel® Core™ 2 Duo SL9400/SU9300 Processors

01

Wide Temperature Boards



Features

- Onboard Intel® Core™ 2 Duo SL9400/SU9300 Processors
- Intel® GS45 + ICH9M SFF
- Dual-channel SODIMM DDR3 800/1066 Memory, Max. 8GB
- Gigabit Ethernet
- CRT, Up to 24-bit Dual-channel LVDS LCD, DisplayPort, HDMI, DVI
- High Definition Audio Interface
- PATA x 1/ SATA 3.0Gb/s x 3
- USB2.0 x 8
- PCI x 4, PCI-Express [x16] x 1, PCI-Express [x1] x 5
- DC Input, +12V
- COM Express Basic Module Pin-out Type 2, COM.0 Rev. 1.0
- Operating Temperature: -20°C ~ 70°C

Specifications

System	
Form Factor	COM Express basic module, Pin-out Type 2, COM.0 Rev. 1.0
Processor	Onboard Intel® Core™ 2 Duo SL9400 (1.86GHz)/ SU9300 (1.2GHz) processors
System Memory	204-pin DDR3 SODIMM x 2, Max. 8 GB (DDR3 800/1066), supports dual-channel function
Chipset	Intel®GS45 + ICH9M SFF
I/O Chipset	ICH9M SFF
Ethernet	Intel® 82567LM, 10/100/1000Base-TX
TPM	v1.2
BIOS	AWARD BIOS v8.0 SPI type, 2 MB ROM With legacy-free BIOS (Default)
EEPROM	Atmel AT24C02, save BIOS and configuration data (Optional)
Wake on LAN	Yes
Watchdog Timer	Fintek F75111
H/W Status Monitoring	Supports CPU temperature monitoring
Expansion Interface	PCI-Express [x16] x 1 (Shared with 2 SDVOs/ 3 Display Ports/ 2 HDMI/ 2 DVI) ==> Can be configured as PCI Express [x1]/ [x2]/ [x4]/ [x8] PCI-Express [x1] x 5 32-bit PCI x 4 LPC bus x 1 SMBus x 1 I2C x 1
Power Requirement	DC input, +12V 2-pin wafer for RTC battery
Power Consumption (Typical)	—
Board Size	4.92"(L) x 3.74"(W) (125mm x 95mm)
Gross Weight	0.66 lb (0.3 Kg)
Operating Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	85,000 (SL9400)
Display	
	Supports CRT/LCD, CRT/DVI, LCD/DVI simultaneous/ dual view displays
Chipset	Intel® GS45 integrated Integrates hardware MPEG2 decoder Supports WMV9 (VC-1) and H.264 (AVC)
Memory	Shared system memory above 512 MB/ DVMT 5.0
Resolution	Up to 2048 x 1536 (QXGA) for CRT Up to 2048 x 1536 (QXGA) for LCD
LCD Interface	Up to 24-bit dual-channel LVDS
SDVO/ DVO/ Side Port	Supports SDVO x 2 (Shared with PCI-Express [x16])
HDMI	Supports HDMI x 2 (Shared with PCI-Express [x16], needs to add a level shifter)
DVI	Supports DVI x 2 (Shared with PCI-Express [x16], needs to add a level shifter)
DisplayPort	Supports DisplayPort x 3 (Shared with PCI-Express [x16])



I/O	
Storage	PATA x 1 (One device) SATA 3.0Gb/s x 3
USB	USB2.0 x 8
Audio	High definition audio
GPIO	Up to 4 in or 4 out

Packing list

- M2.5 Screw x 5
- Product CD
- COM-45GSW1

Ordering Information

- **TF-COM-45GSW1-A10**
COM Express CPU Module, SL9400, Dual DDR3, Gigabit Ethernet, USB2.0, Rev.A1.0, WITAS 1
- **TF-COM-45GSW1-A10-01**
COM Express CPU Module, SU9300, Dual DDR3, Gigabit Ethernet, USB2.0, Rev.A1.0, WITAS 1

Optional Accessories

- **TF-ECB-916M-A10-01**
COM Express Carrier Board, microATX, Dual Gigabit Ethernet, 7.1CH Audio, 4COM, USB, PCI-Express, AT/ATX, Rev.A1.0
- **TF-PER-A073**
CPU Cooler, For COM-45GS, On-board CPU, 12V Fan
- **TF-PER-A075**
Heat Spreader Kit, For COM-45GS, On-board CPU
- **14S6245GS0**
16Mb SPI BIOS Chip with Standard (Legacy) BIOS for COM-45GS+ ECB-916M A1.0