



# Embedded Fanless System



	TWISTER	TWISTER	TWISTER
Back Panel Motherboard I/O			
Blue-marked area is for extra functions			
Back Panel Expansion I/O Possibilities & more.			
Including, but not limited to these functions			
Motherboard	CI945A	CI945C	SI945A
System Dimension (WxDxH)	300W x 200D x 75H mm	300W x 200D x 75H mm	300W x 200D x 75H mm
Weight (Incl. M/B)	2.9 kg	2.9 kg	2.9 kg
CPU	Intel Core Duo / Core 2 Duo CPU socket M	Intel Core Duo / Core 2 Duo CPU socket M	Intel Core Duo / Core 2 Duo CPU socket M
Chipset	Intel 945GME + ICH7M (82801GBM)	Intel 945GME + ICH7M (82801GBM)	Intel 945GME + ICH7M (82801GBM)
Memory	Type / Capacity	DDR2 667MT/s, Max up to 4GB	DDR2 667MT/s, Max up to 4GB
	SO-DIMM	1	2
SSD Storage	CF (CFast)	CF	CF
HDD Space	2.5" HDD x 1, 3.5" HDD x 1	2.5" HDD x 1, 3.5" HDD x 1	2.5" HDD x 1, 3.5" HDD x 1
VGA	Yes	Yes	Yes
DVI/HDMI	N/A	DVI	N/A
USB 2.0	2, Expand to 8	4, Expand to 8	2, Expand to 8
PS2 KB/MS	Optional	Yes	Yes
COM	1	4, Expand to 6	1, Expand to 2
PCI/Mini-PCI	1/1	1/1	1/1
Mini PCIe	N/A	1	1
GPIO	4DI/4DO (Optional)	8DI/8DO (Optional)	8DI/8DO (Optional)
Ethernet	4 x GbE	2 x GbE	1 x GbE
Mic-in / Line-out	Optional	Yes	Optional
Power Input	DC +12V	DC +12V	DC +12V
Expansion	3G, GPS, Bluetooth, WI-FI	3G, GPS, Bluetooth, WI-FI	3G, GPS, Bluetooth, WI-FI
Operating Temp	0~50°C for HDD, 0~55°C for CF card	0~50°C for HDD, 0~55°C for CF card	0~50°C for HDD, 0~55°C for CF card
Operating Humidity	5%~95% @ 60°C, noncondensing	5%~95% @ 60°C, noncondensing	5%~95% @ 60°C, noncondensing

- Car PC
- Networking
- POS / Automation
- DVR
- Digital Signage / Thin Client
- Embedded System
- Panel PC