

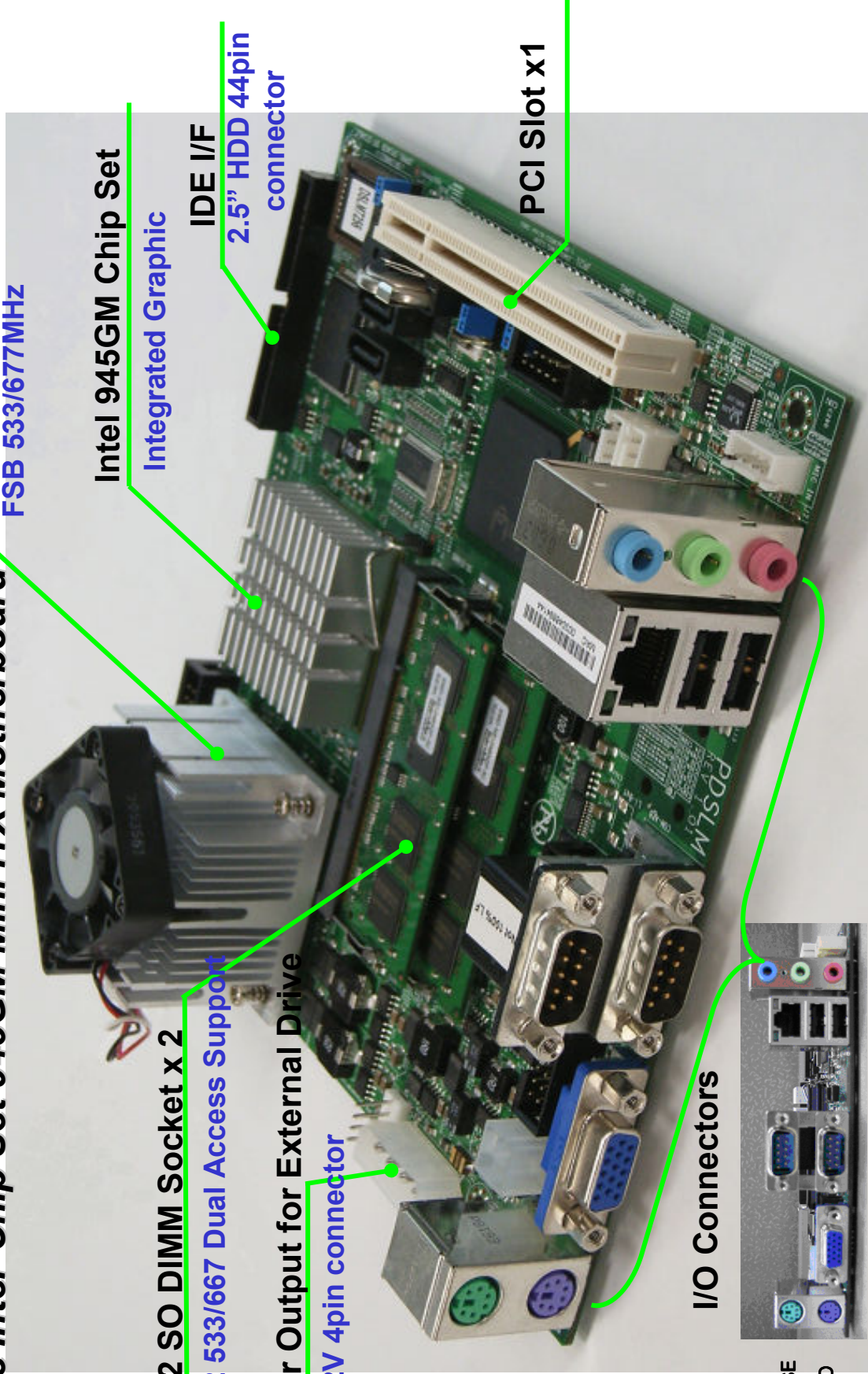
**Embedded Mini ITX  
Motherboard**

**RICOH**

# ITX

**Core™ Duo Processor Support  
Mobile Intel® Chip Set 945GM Mini ITX Motherboard**

Socket478M CPU Socket  
FSB 533/677MHz



Intel 945GM Chip Set

Integrated Graphic

IDE I/F

2.5" HDD 44pin  
connector

PCI Slot x1

DDR2 SO DIMM Socket x 2

DDR2 533/667 Dual Access Support

Power Output for External Drive

+5V/+12V 4pin connector

I/O Connectors

MOUSE  
KBD

VGA Serial x2 LAN/USB Audio

## Features

- Latest Mobile Intel® 945GM Chipset
- Support for “Core™ Duo” Dual Core CPU
- Support for DDR2 Memory (Dual Channel Access)
- Highly integrated high performance general interface
- Supporting Generic I/O  
KBD/ MOUSE/ VGA/ 2 Serial / 4 USB
- 2 SATA support
- GbE support
- 5.1 channel Audio support

## ● +12V single power input with output for external drive

- Works with +12V single power Input
- 4pin power connector for external Unit (+5V/+12V Out)

## ● Complies with RoHS directives

**Ricoh Company Ltd**  
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**Ricoh Electronics, Inc.**  
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## Specification

	Specification	Note
CPU	Supported CPU CPU Socket	Core Duo/ Core Solo/Celeron M Socket#178M
Chipset	FSB	533/667MHz
	Speed	945GM+CH7M
MEMORY	Module	DDR2-533/667
	Socket	PC2-4300/5300
	Max.Size	SO-DIMM 2 sockets
IDE /F		SO DIMM Socket
SATA /F		1x 44pin IDE connector UDMA 33
FDD /F		2 SATA
Video /F		(1 port: Option) Integrated Graphics in 945GM
PS2 /F	Video Connector	Analog RGB D-Sub
		KBD/Mouse
Serial /F	COMA	External 9pin D-Sub Connector
	COM A'	10pin Header (BOX Connector)
	COM B	External 9pin D-Sub Connector
	COM B'	10pin Header(BOX Connector) With +5V Output
USB /F		COM B and COM B' is same function and it is exclusively usable
Audio /F		COM B and COM B' is same function and it is exclusively usable. +5V :200mA output
LAN /F		External USB 2.0 x2 / Internal USB 2.0 x2
PCI slot		5.1ch Audio Codec
		1000Base-T /100Base-TX/10Base-T
Front Connector		1 slot
		Box Connector
Beep	Power SW	Yes
	Non-OR-Power SW	Yes
	Reset SW	Yes
	LED :Power	Yes
	LED:HDD	Yes
	LED:MSG	Yes
	LED:ERROR	Yes
+5VSB	Yes	
+3.3VSB	Yes	
FAN		Yes Onboard Beep
External Drive Power Connector		1 CPU / 1 Chassis 4pin
Security		IPM
FormFactor : Dimension		Mini-ITX 170mmx170mm
BIOS		AMIBIOS
OS		Windows XP pro Windows XP embedded Windows 2000 pro
Power Supply		+12V DC Input 4pin connector

\*The specification is subject to change without notice.