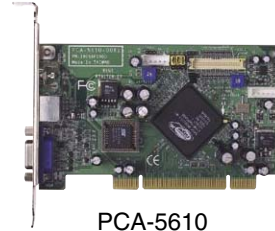


Industrial VGA Cards



PCA-5640



PCA-5610

Selection Guide

Specification		Industrial VGA Card	
		PCA-5640	PCA-5610
Processor System	GPU	ATi Mobility Radeon 9600 Pro	ATi Rage Mobility M1
	Graphics Clock	300MHz	83MHz
Bus	PCI Interface	N/A	PCI 2.1
	AGP Interface	AGP 4X/8X	N/A
Memory	Memory Clock	400MHz	125MHz
	Memory Interface	128 Bit	64 Bit
	Memory Size	On-chip 64MB DDR SDRAM	On-chip 8MB SDRAM
Video Output	First CRT	Yes	Yes
	Second CRT	Yes	N/A
	TV-out	1 S-Video and optional 1 Composite	1 S-Video and optional 1 Composite
	First DVI	Yes	N/A
	Second DVI	Yes	N/A
	LVDS	Yes	1 (shared with TTL)
	Digital (TTL)	N/A	1 (shared with LVDS)
Dual Display Mode		Yes	Yes
Reference Page		2-1	2-2

PCA-5640

Industrial VGA Card with ATi Mobility™ Radeon 9600 Pro

NEW



CE FC

Features

- Industrial VGA Card with long life support
- On-Chip 64MB DDR SDRAM
- Supports DirectX 9.0, OpenGL and Direct 3D
- Supports dual CRT and dual DVI outputs
- Supports dual monitor and video output

Industrial
Motherboard **1**

Industrial
VGA Card **2**

Industrial
Motherboard
Chassis **3**

Full-sized
CPU Cards **4**

Industrial
Computer
Chassis **5**

Industrial
Computer
Peripherals **6**

Specifications

Processor System	GPU (0.13 micron)	ATi Mobility Radeon 9600 Pro	
	Graphics Clock	300MHz	
Bus	AGP 3.0	AGP 4X/8X (1.5V signaling only)	
	Memory Clock	400MHz	
Memory	Memory Interface	128 Bit	
	Memory Size	On-Chip 64MB DDR SDRAM	
	CRT1	2048 x 1536, up to 200Hz vertical rate	
Video Output	CRT2	2048 x 1536, up to 200Hz vertical rate; shared with TV-Out	
	TV-Out	S-Video port and optional Composite port, support PAL and NTSC TV 1024 x 768 32bpp; support 800 x 600 and 16:9; shared with CRT2	
	DVI1	1600 x 1200@60Hz, 165MHz	
	DVI2	1600 x 1200@60Hz, 165MHz (optional)	
	LVDS	Dual 115MHz LVDS interface; 2048x1536 @ 60Hz	
	Display Mode	Dual Display	CRT, TV CRT, DVI CRT, LVDS TV, DVI TV, LVDS DVI, LVDS
Power Requirement	+3.3 V	+5 V	+12 V
	TBD	TBD	TBD
Environment	Temperature	Operating 0 ~ 60 °C (32 ~ 140 °F)	Non-Operating -20 ~ 70 °C (-4 ~ 158 °F)
	Physical	Dimensions	174 x 107 mm (6.85" x 4.2")

Ordering Information

Part Number	Descriptions
PCA-5640-00A1	Industrial VGA Card with ATi Mobility™ Radeon 9600 Pro

Packing List

▪ Startup manual	X 1	--
▪ Utility CD	X 1	--

Accessory Options

▪ S-VHS cable	X 1	1700000136
▪ CRT2 cable kit	X 1	1700000259

PCA-5610

Industrial VGA Card with ATi Rage Mobility™ M1

NEW



Features

- Industrial Grade PCI VGA Card with long life support
- On-Chip 8MB SDRAM
- Supports dual independent displays and triple-DAC
- Supports TV-Out, digital TTL and dual 112MHz LVDS interface
- Low power consumption working under 3.3V/5V

CE FC

Specifications

Processor System	GPU (0.13 micron)	ATi Rage Mobility™ M1	
	Graphics Clock	83MHz	
Bus	PCI	PCI 2.1	
	Memory Clock	125MHz	
Memory	Memory Interface	64 Bit	
	Memory Size	On-Chip 8MB SDRAM	
	Video Output	1280 x 1024 24bpp	
Video Output	CRT	S-Video port and optional Composite port 1024 x 768 24bpp, 800 x 600 and 16:9	
	TV-Out	Dual 112MHz LVDS interface; 1280 x 1024 @ 60Hz and 800 x 600 @85Hz, shared with LCD Panel	
	LVDS	Color TFT panel up to 1280 x 1024, 24-bit per pixel, single pixel per clock; shared with LVDS	
	Digital (TTL)		
Display Mode	Dual Display	CRT, LCD/LVDS TV, LCD/LVDS CRT, TV	
	Triple-DAC	CRT=TV, LCD/LVDS, LCD/LVDS=TV, CRT LCD/LVDS=CRT, TV	
	Power Requirement	+3.3 V	+5 V
Environment	Temperature	Operating	Non-Operating
		0 ~ 60 °C (32 ~ 140 °F)	-20 ~ 70 °C (-4 ~ 158 °F)
Physical	Dimensions	132 x 80 mm (5.2" x 3.15")	

Ordering Information

Part Number	Descriptions
PCA-5610-00A1	Industrial VGA Card with ATi Rage Mobility™ M1

Packing List

▪ Startup manual	X 1	--
▪ Utility CD	X 1	--

Accessory Options

▪ S-VHS cable	X 1	1700000136
▪ AV cable	X 1	1700000137