

Korenix Product Selection Guide – Industrial Ethernet / PoE / Serial Boards



JetCard 5400
3.5" SBC w/
PCI-104 bus



JetCard 2154G



JetCard 2105



JetCard 1608



JetCard 2215



JetCard 2205

Function	Linux-Ready Single Board Computer	Gigabit Ethernet Switch Card	Ethernet Switch Card	Serial Card	PoE Ethernet Switch Card	Ethernet Switch Card
Ports	10/100Mbps Ethernet x 5 USB2.0 x1/Console x1 reset x1	10/100/1000Mbps Ethernet x 4	10/100Mbps Ethernet x 5	RS-232/422/485 x 4 external RS-232 x 4 internal	10/100Mbps Ethernet x 5 (4 ports with PoE, 15.4W)	10/100Mbps Ethernet x 5
Max. Stacked Boards	4	4	4	4	4	4
Bus interface	32-bit PCI-104	32-bit PCI-104	32-bit PCI-104	32-bit PCI-104	32-bit UPCI	32-bit UPCI
Power Input	DC 12~48V terminal block (Power consumption Max. 25W)	PCI-104 bus	PCI-104 bus	PCI-104 bus	DC 12~24V external power input (ATX 4Pin Connector)	UCPI bus
Board Connector	RJ45 x 4 external	RJ45 x 4 external	RJ45 x 4 external RJ45 x 1 internal	DB-37 female x 1 external Box header x 1 internal	RJ45 x 4 external RJ45 x 1 internal	RJ45 x 4 external RJ45 x 1 internal
Cable Connection		RJ45	RJ45	DB-9/DB-25	RJ45	RJ45
Communication Controller	CPU: Intel IXP435 400MHz RISC 128MB DDR2 RAM	Marvell 88E8001 Marvell 88E6161	Realtek 8139C+ Marvell 88E6065	Oxford OXmPCI954	Realtek 8139C+ Marvell 88E6065	Realtek 8139C+ Marvell 88E6065
Performance	L3 routing VPN, IPv6 Managed switch	10/100/1000Mbps with auto MDI/MDI-x, Ethernet Statistics monitor	10/100Mbps with auto MDI/MDI-x, Ethernet Statistics monitor	FIFO 128 Bytes, Up to 921.6Kbps, SW Flow Control	10/100Mbps with auto MDI/MDI-x, Ethernet Statistics monitor	10/100Mbps with auto MDI/MDI-x, Ethernet Statistics monitor
Operating Temperature	-40~80°C	-25~70°C	-25~70°C	-25~70°C	-25~70°C	-25~70°C
Operating System						
Windows		7/NT/2000/2003/XP	NT/2000/2003/XP	NT/2000/2003/XP	NT/2000/2003/XP	NT/2000/2003/XP
Linux Kernel	Embedded Linux 2.6.20	2.4x/2.6x	2.4x/2.6x		2.4x/2.6x	2.4x/2.6x



JetCard 1208L



JetCard 1204/ 1204-w



JetCard 1208 / 1208-w



JetCard 1402 / 1402i



JetCard 1404 / 1404i

Multi-Port Serial Card

Multi-Port Serial Card

Multi-Port Serial Card

Function	UCPI (Low profile)	UCPI	UCPI	UCPI	UCPI
Ports	RS-232 x 8	RS-232 x 4	RS-232 x 8	RS-422/485 x 2	RS-422/485 x 4
Max. Stacked Boards	4	4	4	4	4
Bus interface	32-bit Universal PCI	32-bit Universal PCI	32-bit Universal PCI	32-bit Universal PCI	32-bit Universal PCI
Board Connector	VHDCI68	DB-37 female	DB-62 female	DB-9 male x2	DB-37 female
Cable Connection	DB-9/DB-25	DB-9/DB-25	DB-9/DB-25	DB-9/DB-25	DB-9/DB-25
Communication Controller	16C950 Compatible	16C950 Compatible	16C950 Compatible	16C950 Compatible	16C950 Compatible
Performance	FIFO 128 Bytes, Up to 460.8Kbps, 15KV ESD protection, HW/SW Flow Control	FIFO 128 Bytes, Up to 921.6Kbps, 15KV ESD protection, HW/SW Flow Control		FIFO 128 Bytes, Up to 921.6Kbps, 15KV ESD protection, HW/SW Flow Control	
Optical Isolation Protection: 2KV per Port				JetCard 1402i	JetCard 1404i
Operating Temperature	-10~70°C	-10~70°C (JetCard 1204 / 1208) -40~80°C (JetCard 1204-w/1208-w)		-10~70°C	-10~70°C
Operating System					
Windows	7/XP/2000	7/98/Me/NT/2000/XP/2003		7/98/Me/NT/2000/XP/2003	
Linux Kernel	2.4x/2.6x	2.4x/2.6x		2.4x/2.6x	