

Rackmount Computers



	DA-710-XPE	DA-710-LX	DA-681-I-SP-CE	DA-681-I-SP-XPE	DA-681-I-SP-LX	DA-681-I-DP-CE	DA-681-I-DP-XPE	DA-681-I-DP-LX	DA-681-I-DPP-T-CE	DA-681-I-DPP-T-XPE	DA-681-I-DPP-T-LX	
Computer												
CPU Speed	2/2.2 GHz	2/2.2 GHz	1 GHz	1 GHz	1 GHz	1 GHz	1 GHz	1 GHz	1 GHz	1 GHz	1 GHz	
OS (pre-installed)	Win. Embedded Standard 2009	Linux	WinCE 6.0	WinXP Emb.	Linux	WinCE 6.0	WinXP Emb.	Linux	WinCE 6.0	WinXP Emb.	Linux	
FSB	533 MHz	533 MHz	400 MHz	400 MHz	400 MHz	400 MHz	400 MHz	400 MHz	400 MHz	400 MHz	400 MHz	
System Memory	1 GB (2 GB max.)	1 GB (2 GB max.)	512 MB (1 GB max.)	512 MB (1 GB max.)	512 MB (1 GB max.)	512 MB (1 GB max.)	512 MB (1 GB max.)	512 MB (1 GB max.)	256 MB (1 GB max.)	512 MB (1 GB max.)	512 MB (1 GB max.)	
Expansion Bus	4 slots	4 slots	PC/104 onboard									
USB Ports	4 (USB 2.0)	4 (USB 2.0)	2 (USB 2.0)	2 (USB 2.0)	2 (USB 2.0)	2 (USB 2.0)	2 (USB 2.0)	2 (USB 2.0)	4 (USB 2.0)	4 (USB 2.0)	4 (USB 2.0)	
Digital I/O	4 DIs, 4 DOs	4 DIs, 4 DOs	-	-	-	-	-	-	-	-	-	
Storage												
Built-in	2 GB	1 GB	1 GB	2 GB	1 GB	1 GB	2 GB	1 GB	256 MB	1 GB	1 GB	
CompactFlash Socket	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
HDD Support	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Other Peripherals												
KB/MS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Display												
Graphics Controller	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
LAN Interface												
10/100 Mbps Ethernet Ports	-	-	6	6	6	6	6	6	-	-	-	
10/100/1000 Mbps Ethernet Ports	4	4	-	-	-	-	-	-	4	4	4	
Magnetic Isolation Protection	1.5 KV	1.5 KV	1.5 KV	1.5 KV	1.5 KV	1.5 KV	1.5 KV	1.5 KV	1.5 KV	1.5 KV	1.5 KV	
Serial Interface												
RS-232 Ports	2 (DB9-M)	2 (DB9-M)	4 (DB9-M)									
RS-485	-	-	8 (TB)									
ESD Protection	4 KV	4 KV	15 KV									
Digital Isolation	-	-	2 KV									
Serial Communication Parameters	Data Bits: 5, 6, 7, 8; Stop Bits: 1, 1.5, 2; Parity: None, Even, Odd, Space, Mark		Data Bits: 5, 6, 7, 8; Stop Bits: 1, 1.5, 2; Parity: None, Even, Odd, Space, Mark									
Flow Control	RTS/CTS, XON/XOFF		RTS/CTS, XON/XOFF, ADDC®									
Baudrate	50 bps to 115.2 Kbps		50 bps to 921.6 Kbps (non-standard baudrates supported; see user's manual for details)									
LEDs												
System	Power, Storage, Power Failure		Ready, Storage, Power Failure (for dual power models only)									
LAN	100M, 1000M		10M, 100M									
Serial	TX, RX (for 4 modules), Programmable		TX, RX									
Physical Characteristics												
Housing	SECC sheet metal (1 mm)		SECC sheet metal (1 mm)									
Weight	14 kg		4.5 kg									
Dimensions	400 x 480 x 180 mm		440 x 315 x 45 mm									
Mounting	Standard 19-in rackmount		Standard 19-inch rackmount									
Environmental Limits												
Operating Temperature	-10 to 50°C		0 to 60°C						-40 to 75°C			
Storage Temperature	-20 to 80°C		-20 to 75°C						-40 to 85°C			
Ambient Relative Humidity	5 to 95% (non-condensing)		5 to 95% (non-condensing)									
Standards and Certifications												
Safety	UL 60950-1, CSA C22.2 No. 60950-1-07, CCC (GB4943, GB9254, GB17625.1)		UL 60950-1, CSA C22.2 No. 60950-1-03, EN 60950-1, CCC (GB4943, GB9254, GB17625.1)									
EMC	EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, FCC Part 15 Subpart B Class A		EN 55022, EN 61000-3-2, EN 61000-3-3, EN 55024, FCC Part 15 Subpart B Class A									
Green Product	RoHS, CRoHS, WEEE		RoHS, CRoHS, WEEE									
Reliability												
Buzzer, RTC, WDT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Warranty	3 years (see www.moxa.com/warranty)											

Rackmount Computers



	DA-682-CE	DA-682-XPE	DA-682-LX	DA-683-SP-XPE	DA-683-SP-LX	DA-683-DPP-T-LX	DA-683-DPP-T-XPE
Computer							
CPU Speed	1 GHz	1 GHz	1 GHz	1.66 GHz	1.66 GHz	1.66 GHz	1.66 GHz
OS (pre-installed)	WinCE 6.0	WinXP Emb.	Linux	Win. Embedded Standard 2009	Linux	Linux	Win. Embedded Standard 2009
FSB	400 MHz	400 MHz	400 MHz	667	667	667	667
System Memory	256 MB (1 GB max.)	512 MB (1 GB max.)	512 MB (1 GB max.)	1 GB (2 GB max.)	1 GB (2 GB max.)	1 G (2GB max.)	1 GB (2 GB max.)
Expansion Bus	2 slots	2 slots	2 slots	2 slots	2 slots	2 slots	2 slots
USB Ports	4 (USB 2.0)	4 (USB 2.0)	4 (USB 2.0)	4 (USB 2.0)	4 (USB 2.0)	4 (USB 2.0)	4 (USB 2.0)
Digital I/O	-	-	-	4 Dis, 4 DOs	4 Dis, 4 DOs	4 Dis, 4 DOs	4 Dis, 4 DOs
Storage							
Built-in	256 MB	1 GB	1 GB	2 GB (DOM)	2 GB (DOM)	2 GB (DOM)	2 GB (DOM)
CompactFlash Socket	✓	✓	✓	✓	✓	✓	✓
HDD Support	✓	✓	✓	✓	✓	✓	✓
Other Peripherals							
KB/MS	✓	✓	✓	✓	✓	✓	✓
Display							
Graphics Controller	✓	✓	✓	✓	✓	✓	✓
LAN Interface							
10/100/1000 Mbps Ethernet Ports	4	4	4	6 (RJ45)	6 (RJ45)	6 (RJ45)	6 (RJ45)
Magnetic Isolation Protection	1.5 KV	1.5 KV	1.5 KV	1.5 KV	1.5 KV	1.5 KV	1.5 KV
Serial Interface							
RS-232 Ports	-	-	-	2 (DB9-M)	2 (DB9-M)	2 (DB9-M)	2 (DB9-M)
Serial Communication Parameters	-	-	-	TxD, RxD, DTR, DSR, RTS, CTS, DCD, GND, RI			
LEDs							
System	Power, Storage						
LAN	100M, 1000M						
Serial	TX, RX (for 2 modules)			Tx, Rx			
Physical Characteristics							
Housing	SECC sheet metal (1 mm)			SECC sheet metal (1 mm)			
Weight	7 kg			4 kg			
Dimensions	440 x 315 x 90 mm	-	-	315 x 440 x 90 mm			
Mounting	Standard 19-inch rackmount						
Environmental Limits							
Operating Temperature	-10 to 60°C	-10 to 60°C	-10 to 60°C	-10 to 60°C	-40 to 70°C		
Storage Temperature	-20 to 80°C	-20 to 80°C	-20 to 80°C	-20 to 80°C	-40 to 85°C		
Ambient Relative Humidity	5 to 95% (non-condensing)						
Standards and Certifications							
Safety	UL 60950-1, CSA C22.2 No. 60950-1-03, EN 60950-1, CCC (GB4943, GB9254, GB17625.1)			UL/cUL (UL60950-1, CSA C22.2 No. 60950-1-03), LVD (EN60950-1), CCC (GB4943)			
EMC	EN 61000-6-4, EN 61000-3-2, EN 61000-3-3, EN 55024, FCC Part 15 Subpart B Class A			CE (EN55022, EN61000-3-2, EN61000-3-3, EN55024), FCC (Part 15 Subpart B, CISPR 22 Class), CCC (GB9254, GB 17625.1), IEC 61850-3 (DPP-T models only)			
Green Product	RoHS, CRoHS, WEEE						
Reliability							
Buzzer, RTC, WDT	✓	✓	✓	✓	✓	✓	✓
Warranty	3 years (see www.moxa.com/warranty)						

Rackmount Computers



	DA-660-8-LX	DA-660-8-CE	DA-660-16-LX	DA-660-16-CE	DA-661-16-LX	DA-661-16-CE	DA-662-16-LX	DA-662-16-CE	DA-662-1-16-LX	DA-662-1-16-CE
Computer										
CPU Speed	266 MHz	266 MHz	266 MHz	266 MHz	533 MHz	533 MHz	533 MHz	533 MHz	533 MHz	533 MHz
OS (pre-installed)	Emb. Linux	WinCE 5.0	Emb. Linux	Emb. Linux	Emb. Linux	WinCE 5.0	Emb. Linux	WinCE 5.0	Emb. Linux	WinCE 5.0
DRAM	128 MB	128 MB	128 MB	128 MB	128 MB	128 MB	128 MB	128 MB	128 MB	128 MB
Flash	32 MB	32 MB	32 MB	32 MB	32 MB	32 MB	32 MB	32 MB	32 MB	32 MB
PCMCIA	-	-	-	-	✓	✓	✓	✓	✓	✓
USB Ports	-	-	-	-	2	2	2	2	2	2
Storage										
CompactFlash Socket	-	-	-	-	✓	✓	✓	✓	✓	✓
Display										
Mini Screen with Push Buttons	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAN Interface										
10/100 Mbps Ethernet Ports	2	2	2	2	2	2	4	4	4	4
Magnetic Isolation Protection	1.5 KV	1.5 KV	1.5 KV	1.5 KV	1.5 KV	1.5 KV	1.5 KV	1.5 KV	1.5 KV	1.5 KV
Digital Isolation Protection	-	-	-	-	-	-	-	-	2 KV	2 KV
Serial Interface										
RS-232/422/485 Ports	8 (RJ45)	8 (RJ45)	16 (RJ45)	16 (RJ45)	16 (RJ45)	16 (RJ45)	16 (RJ45)	16 (RJ45)	16 (RJ45)	16 (RJ45)
ESD Protection	15 KV	15 KV	15 KV	15 KV	15 KV	15 KV	15 KV	15 KV	15 KV	15 KV
Console Port	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Serial Communication Parameters	-	-	-	-	Data Bits: 5, 6, 7, 8; Stop Bits: 1, 1.5, 2; Parity: None, Even, Odd, Space, Mark					
Flow Control	-	-	-	-	RTS/CTS, XON/XOFF, ADDC®					
Baudrate	-	-	-	-	50 bps to 921.6 Kbps (non-standard baudrates supported; see user's manual for details)					
LEDs										
System	OS Ready	OS Ready	OS Ready	OS Ready	OS Ready	OS Ready	OS Ready	OS Ready	OS Ready	OS Ready
LAN	10M, 100M	10M, 100M	10M, 100M	10M, 100M	10M, 100M	10M, 100M	10M, 100M	10M, 100M	10M, 100M	10M, 100M
Serial	TxD, RxD	TxD, RxD	TxD, RxD	TxD, RxD	TxD, RxD	TxD, RxD	TxD, RxD	TxD, RxD	TxD, RxD	TxD, RxD
Physical Characteristics										
Housing	SECC sheet metal (1 mm)								SECC sheet metal (1mm)	
Weight	2.6 kg								2.94 kg	
Dimensions	440 x 45 x 198 mm								440 x 45 x 228 mm	
Mounting	Standard 19-inch rackmount								Standard 19-inch rackmount	
Environmental Limits										
Operating Temperature	-10 to 60°C	-10 to 60°C	-10 to 60°C	-10 to 60°C	-10 to 60°C	-10 to 60°C	-10 to 60°C	-10 to 60°C	-10 to 60°C	-10 to 60°C
Storage Temperature	-20 to 80°C	-20 to 80°C	-20 to 80°C	-20 to 80°C	-20 to 80°C	-20 to 80°C	-20 to 80°C	-20 to 80°C	-20 to 80°C	-20 to 80°C
Ambient Relative Humidity	5 to 95% (non-condensing)									
Standards and Certifications										
Safety	UL 60950-1, CSA C22.2 No. 60950-1-03, EN 60950-1									
EMC	EN 55022 Class A, EN 61000-3-2 Class A, EN 61000-3-3, EN 55024, FCC Part 15 Subpart B Class A									
Green Product	RoHS, CRoHS, WEEE									
Reliability										
Buzzer, RTC, WDT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Warranty	5 years (see www.moxa.com/warranty)									