

Embedded Computer Selection Guide



Model Name	UC-7420	UC-7410	UC-7408	UC-7402
CPU	Intel XScale IXP-422 266 MHz	Intel XScale IXP-422 266 MHz	Intel XScale IXP-422 266 MHz	Intel XScale IXP-422 266 MHz
RAM	128 MB	128 MB	128 MB	128 MB
Flash	32 MB	32 MB	32 MB	32 MB
OS	Linux, WinCE	Linux, WinCE	Linux, WinCE	Linux
LAN	Auto-sensing 10/100 Mbps x 2 with built-in 1.5 KV magnetic isolation protection, RJ45 Connector			
Serial Port	RS-232/422/485 x 8 RJ45 Connector	RS-232/422/485 x 8 RJ45 Connector	RS-232/422/485 x 8 RJ45 Connector	N/A
Serial Protection	15 KV ESD for all signals			N/A
Data Bits	5, 6, 7, 8			N/A
Stop Bits	1, 1.5, 2			N/A
Parity	none, even, odd, space, mark			N/A
Flow Control	RTS/CTS, XON/XOFF, RS-485 ADDC™			N/A
Speed	50 bps to 921.6 Kbps			N/A
Serial Console	RS-232 x 1 RJ45 Connector	RS-232 x 1 RJ45 Connector	RS-232 x 1 RJ45 Connector	RS-232 x 1 RJ45 Connector
DI/DO	N/A	N/A	DI x 8, DO x 8	N/A
USB 2.0 Hosts	2	N/A	N/A	N/A
USB 1.1 Client	1*	1*	1*	1*
PCMCIA	Cardbus x 1**	N/A	Cardbus x 1**	Cardbus x 1**
Storage Expansion	CompactFlash x 1***	N/A	CompactFlash x 1***	CompactFlash x 1***
LCM	128 x 64 dots	128 x 64 dots	N/A	N/A
Keypad	5	5	N/A	N/A
Real Time Clock	Yes	Yes	Yes	Yes
Buzzer	Yes	Yes	Yes	Yes
Reset Button	H/W Reset x 1 Reset to Default x 1	H/W Reset x 1 Reset to Default x 1	H/W Reset x 1 Reset to Default x 1	H/W Reset x 1 Reset to Default x 1
Power Input	12 to 48 VDC	12 to 48 VDC	12 to 48 VDC	12 to 48 VDC
Power Consumption	12W	10W	8W	7W
Dimension (W x D x H)	197 x 125 x 44 mm	197 x 125 x 44 mm	197 x 125 x 44 mm	197 x 125 x 44 mm
Weight	875 g	810 g	870 g	830 g
Operating Temperature	-10 to 60°C, (14 to 140°F), 5 to 95% RH			
Storage Temperature	-20 to 80°C, (-4 to 176°F), 5 to 95% RH			
Regulatory Approvals	EMC: CE Class A, FCC Class A Safety: UL, cUL, TUV			
Warranty	5 years	5 years	5 years	5 years



New DA-660-8 DA-660-16		New IA241 IA241-T		New IA240 IA240-T		New UC-7112 UC-7112-T		UC-7110 UC-7110-T	
Intel XScale IXP-422 266 MHz		MOXA ART ARM9 32-bit CPU 192 MHz		MOXA ART ARM9 32-bit CPU 192 MHz		MOXA ART ARM9 32-bit CPU 192 MHz			
128 MB		64 MB		64 MB		16 MB		16 MB	
32 MB		16 MB		16 MB		8 MB		8 MB	
Linux, WinCE		Linux		Linux		μClinux		μClinux	
Auto-sensing 10/100 Mbps x 2 with built-in 1.5 KV magnetic isolation protection, RJ45 Connector									
RS-232/422/485 x 8 / 16 RJ45 Connector		RS-232/422/485 x 4 RJ45 Connector		RS-232/422/485 x 4 RJ45 Connector		RS-232/422/485 x 2 DB9 Connector		RS-232/422/485 x 2 DB9 Connector	
15 KV ESD for all signals									
5, 6, 7, 8									
1, 1.5, 2									
none, even, odd, space, mark									
RTS/CTS, XON/XOFF, RS-485 ADDC™									
50 bps to 921.6 Kbps									
RS-232 x 1 RJ45 Connector		RS-232 x 1 RJ45 Connector		RS-232 x 1 RJ45 Connector		RS-232 X 1 Pin-header Connector		RS-232 X 1 Pin-header Connector	
N/A		DI x 4, DO x 4		DI x 4, DO x 4		N/A		N/A	
N/A		1		1		N/A		N/A	
N/A		N/A		N/A		N/A		N/A	
N/A		Cardbus x 1**		N/A		N/A		N/A	
N/A		SD x 1***		SD x 1***		SD x 1***		N/A	
2 x 16 Text Mode		N/A		N/A		N/A		N/A	
4		N/A		N/A		N/A		N/A	
Yes		Yes		Yes		Yes		Yes	
Yes		Yes		Yes		Yes		Yes	
Reset x 1		H/W Reset x 1 Reset to Default x 1		H/W Reset x 1 Reset to Default x 1		Reset to Default x 1		Reset to Default x 1	
100 to 240 VAC / VDC		12 to 48 VDC		12 to 48 VDC		12 to 48 VDC		12 to 48 VDC	
15W		7W		7W		4.5W		4.5W	
480 x 198 x 45 mm (with rack-mount ears) 440 x 198 x 45 mm (w/o rack-mount ears)		60 x 100 x 137 mm		60 x 100 x 137 mm		77 x 111 x 26 mm		77 x 111 x 26 mm	
2.7 kg		500 g		430 g		190 g		190 g	
-10 to 60°C (14 to 140°F), 5 to 95% RH -40 to 75°C (-40 to 167°F) is optional (for -T model)									
-20 to 80°C (-4 to 176°F), 5 to 95% RH -40 to 85°C (-40 to 185°F) is optional (for -T model)									
EMC: CE Class A, FCC Class A Safety: UL, cUL, TUV									
5 years		5 years		5 years		5 years		5 years	

* USB Client function is reserved for future enhancement
 ** PCMCIA is designed for 802.11b/g wireless LAN card expansion
 *** CompactFlash / SD is designed for Flash memory card expansion