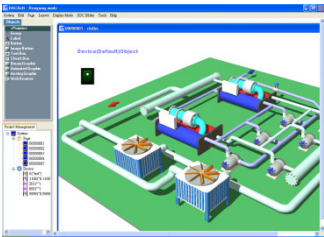
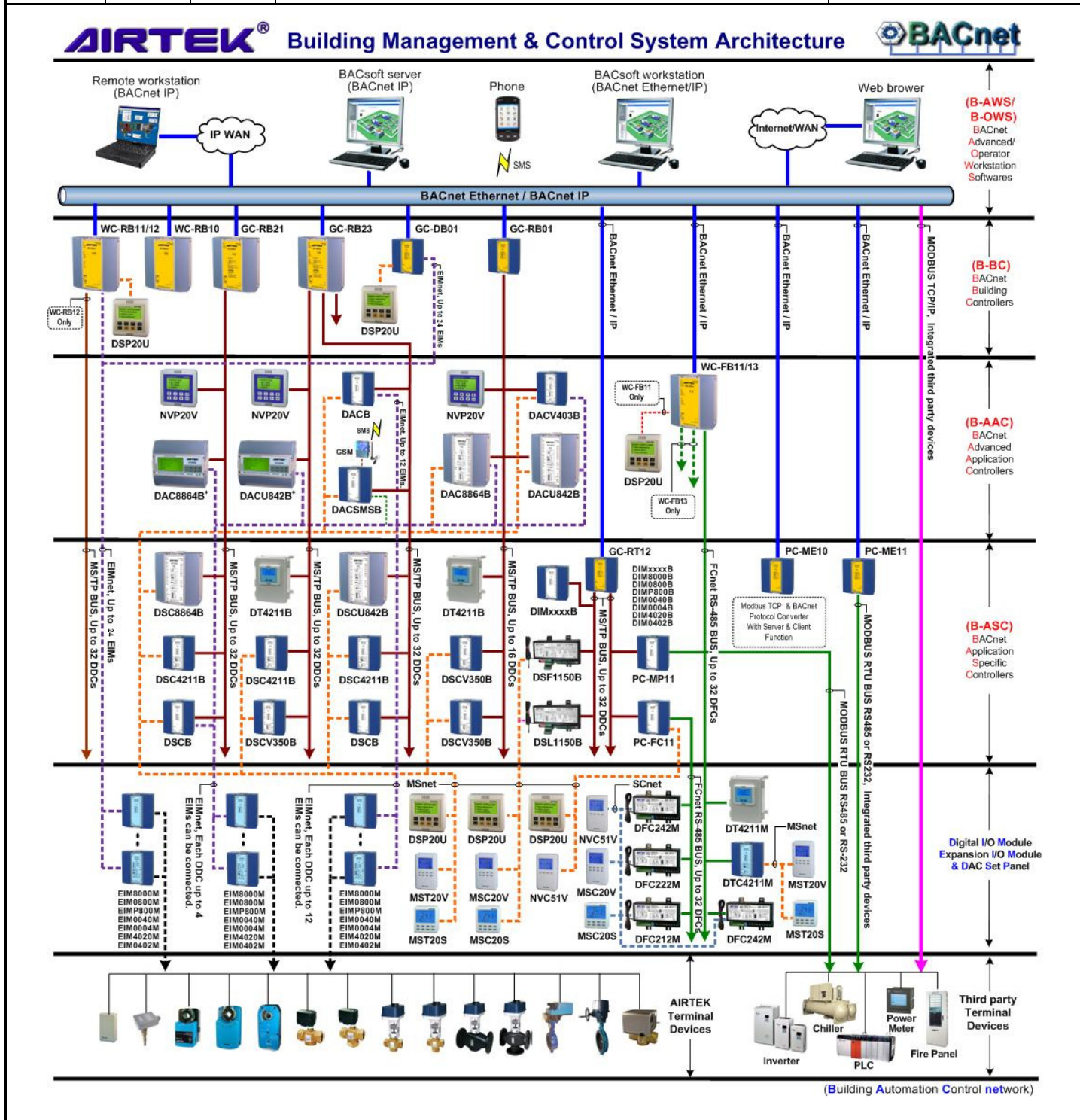

















## SOFTWARE

MODEL	Total Device	Total Workstation	DESCRIPTION	PICTURE
BACsoft-UL	Unlimited	Unlimited	<ul style="list-style-type: none"> <li>➤ <b>Customer designed graphic:</b> The customer designed graphic user interface suit various design of demonstration. Convenient edit functions make life easy for design and modification.</li> <li>➤ <b>Safety:</b> Each user has its unique privilege. Automatic logout function can be set, system logout automatically when user is left.</li> </ul>	
BACsoft-128	128	3	<ul style="list-style-type: none"> <li>➤ <b>Network and interconnection:</b> Includes BACnet Ethernet, Annex J BACnet/IP</li> <li>➤ <b>Integration:</b> Conform to BACnet standard, work with Windows .net Common Language Runtime (CLR) applications.</li> <li>➤ <b>Schedules:</b> Weekly_Schedule, Exception_Schedule functions.</li> </ul>	
BACsoft-64	64	1	<ul style="list-style-type: none"> <li>➤ <b>Alarms:</b> Set alarms of a running status, input and output value for various facilities. A warning message window pop-up when an alarm occurred to notify the user. When apply the DACSMSB controller in system, it will send the alarm messages to user's cellular phone. The DACSMSB controller helps user to receive alarms immediately and remote control working site facilities by cellular phone. The alarm program record alarm history, it helps user to tracing and analysis the trouble facility for malfunction.</li> </ul>	
BACsoft-32	32	1	<ul style="list-style-type: none"> <li>➤ <b>Trend logs:</b> Multi-points check trend logs with graphic or text display and save data in a MS SQL express database. This database can be applied by the Microsoft office EXCEL software.</li> </ul>	
BACsoft-16	16	1	<ul style="list-style-type: none"> <li>➤ <b>Web page transforms function:</b> By using the AIRTEK BACnet Web Embedded global controller(WC-RB..), the graphic user control interface which is designed on BACsoft can be transform to web pages in the controller, user can then remote monitor working site facilities by using a web browser such as the Internet Explorer.</li> </ul>	


















# HARDWARE

NAME		BACnet Ethernet Global Controller			BACnet Ethernet Controller	BACnet Web Embedded Global Controller		
PHOTO								
MODEL		GC-RB23	GC-RB21	GC-RB01	GC-DB01	WC-RB10	WC-RB11	WC-RB12
PRODUCT SPECIFICATION	CPU	32-bit High Performance MCU						
	BACnet DEVICE PROFILE	B-BC(BACnet Building Controllers )						
	BACnet ROUTER (MS/TP to Ethernet or IP)	O	O	O	X	X	X	O
	BACnet ROUTER (Ethernet to IP)	O	O	O	X	O	O	O
	BACKUP MEMORY	O	O	O	O	O	O	O
	PROGRAMMABLE	O	O	O	O	O	O	O
	WEB SERVER	X	X	X	X	O	O	O
	BACnet ETHERNET/IP	O	O	O	O	O	O	O
	MS/TP PORT	BACnet MS/TP RS485, connect up to 16 or 32 DDC controllers, transmission speed up to 76.8Kbps, maximum length 1200 meters.						
		O (3x32 DDC's)	O (32 DDC's)	O (16 DDC's)	X	X	X	O (32 DDC's)
	MSnet PORT	MODBUS RTU RS485, connect to a DSP20U control panel or a MODBUS RTU slave mode device.						
		X	X	X	DSP/MST	X	DSP	DSP
	EIMnet PORT	AIRTEK RS485, specialized for EIMxxxxM modules connection.						
		X	X	X	O (24 EIM's)	X	O (24 EIM's)	O (24 EIM's)
	CALENDAR	40	20	2	2	20	20	20
	SCHEDULE	400	200	20	20	200	200	200
	NOTIFICATION-CLASS	40	20	4	4	20	20	20
	EVENT-ENROLLMENT	400	200	40	40	200	200	200
	TREND LOG	400	200	12	12	200	200	200
	ANALOG VALUE(AV)	1000	1000	150	150	1000	1000	1000
	BINARY VALUE(BV)	1000	1000	150	150	1000	1000	1000

NAME		BACnet Web Embedded FCU Controller		Modbus to BACnet Protocol Interface				BACnet Ethernet Router	BACnet LAN Viewer
PHOTO									
MODEL		WC-FB11	WC-FB13	PC-ME10	PC-ME11	PC-MP11	PC-FC11	GC-RT12	NVP20V
PRODUCT SPECIFICATION	CPU	32-bit High Performance MCU							
	BACnet DEVICE PROFILE	B-AAC	B-AAC	B-ASC	B-ASC	B-ASC	B-ASC	B-ASC	B-AAC
	BACnet ROUTER (MS/TP to Ethernet or IP)	X	X	X	X	X	X	O	X
	BACKUP MEMORY	O	O	O	O	O	O	O	O
	PROGRAMMABLE	O	O	O	O	O	O	O	O
	WEB SERVER	O	O	X	X	X	X	X	X
	BACnet Ethernet/IP	O	O	O	O	X	X	O	X
	MODBUS TCP	X	X	O(Server+Client)	O(Server)	X	X	X	X
	MS/TP PORT	BACnet MS/TP RS485, connect up to 32 DDC controllers, transmission speed up to 76.8Kbps, maximum length 1200 meters.							
		X	X	X	X	1	1	2	1
	MSnet PORT	MODBUS RTU RS485, connect to a DSP20U control panel or a MODBUS RTU slave mode device.							
		O	X	X	X	X	O	X	X
	TDnet(MODBUS )	MODBUS RTU RS232 or RS485 port selectable, connect to third party slave Modbus slave devices.							
		X	X	X	O	O	X	X	X
	FCnet PORT	MODBUS RTU RS-485, connect up to 32 DFC/DT controllers, transmission speed 9,600 bps, maximum length 1200 meters.							
		1	3	X	X	X	1	X	X
	CALENDAR	2	2	X	X	X	X	X	2
	SCHEDULE	20	20	X	X	X	X	X	20
	NOTIFICATION-CLASS	4	4	X	X	X	X	X	4
	EVENT-ENROLLMENT	100	100	X	X	X	X	X	40
	ANALOG VALUE(AV)	100	300	1000	1000	500	100	150	150
	BINARY VALUE(BV)	X	X	1000	1000	500	X	150	150
	MODBUS RTU/ASCII	X	X	X	1000	500	X	X	X
	MODBUS/TCP CLIENT	X	X	1000	X	X	X	X	X







Note: Symbol "O" in above tables means it has the function, "X" means it has no such function.







NAME		BACnet Advanced Application Controller						BACnet SMS Alarm Module
PHOTO								
MODEL		DAC8864B+	DAC8864B	DACU842B+	DACU842B	DACV403B	DACB	DACSMSB
PRODUCT SPECIFICATION	CPU	32-bit High Performance MCU						
	BACnet DEVICE PROFILE	B-AAC(BACnet Advanced Application Controller)						
	BACKUP MEMORY	O	O	O	O	O	O	O
	PROGRAMMABLE	O	O	O	O	O	O	O
	MS/TP PORT	BACnet MS/TP RS485, connect up to 32 DDC controllers, transmission speed up to 76.8Kbps, maximum length 1200 meters.						
		O	O	O	O	O	O	O
	MSnet PORT	MODBUS RTU RS485, connect to a DSP20U/MST20V control panel or a MODBUS RTU slave mode device.						
		X	O	X	O	O	O	O
	EIMnet PORT	AIRTEK RS485, specialized for EIMxxxxM modules connection.						
		1(4 EIM's)	1(4 EIM's)	1(4 EIM's)	1(4 EIM's)	1(12 EIM's)	1(4 EIM's)	
	PRESSURE SENSOR	±500Pa pressure differential sensor. Accuracy ±3% of measure value.						
		X	X	X	O	X	X	
	UNIVERSAL INPUT(UI)	12-bit resolution, selectable input as dry contact, 3K $\Omega$ /10K $\Omega$ NTC thermistor, 4~20mA or 0~10VDC.						
		X	X	8	8	4	X	X
	BINARY INPUT(BI)	12VDC detective, 1,000VDC optical isolators, dry contact or open collector input.						
		8	8	8(use UI points)	8(use UI points)	4(use UI points)	0	0
	ANALOG INPUT(AI)	12-bit resolution, selectable input as 3K $\Omega$ /10K $\Omega$ NTC thermistor, 4~20mA or 0~10VDC.						
		8	8	8(use UI points)	8(use UI points)	4(use UI points)	0	0
	BINARY OUTPUT(BO)	SPST relay dry contact, with Manual On/ Manual Off/ Automatic changeover switch.						
		6(5A/250VAC)	6(5A/250VAC)	4(8A/250VAC)	4(8A/250VAC)	0	0	0
	ANALOG OUTPUT(AO)	12-bit resolution, 0~10VDC output, with Manual/Auto switch and signal adjustment knob. (Note: DACV403B does not have this feature).						
		4	4	2	2	3	0	0
	PULSE INPUT(PI)	Maximum 100Hz pulse open collector or dry contact input						
		X	X	8(use UI points)	8(use UI points)	X	X	X
	CALENDAR	2	2	2	2	2	2	2
	SCHEDULE	12	12	12	12	12	12	10
	NOTIFICATION-CLASS	4	4	4	4	4	4	10
	EVENT-ENROLLMENT	20	20	20	20	20	20	20
	ANALOG VALUE(AV)	150	150	150	150	150	150	150
	BINARY VALUE(BV)	150	150	150	150	150	150	150

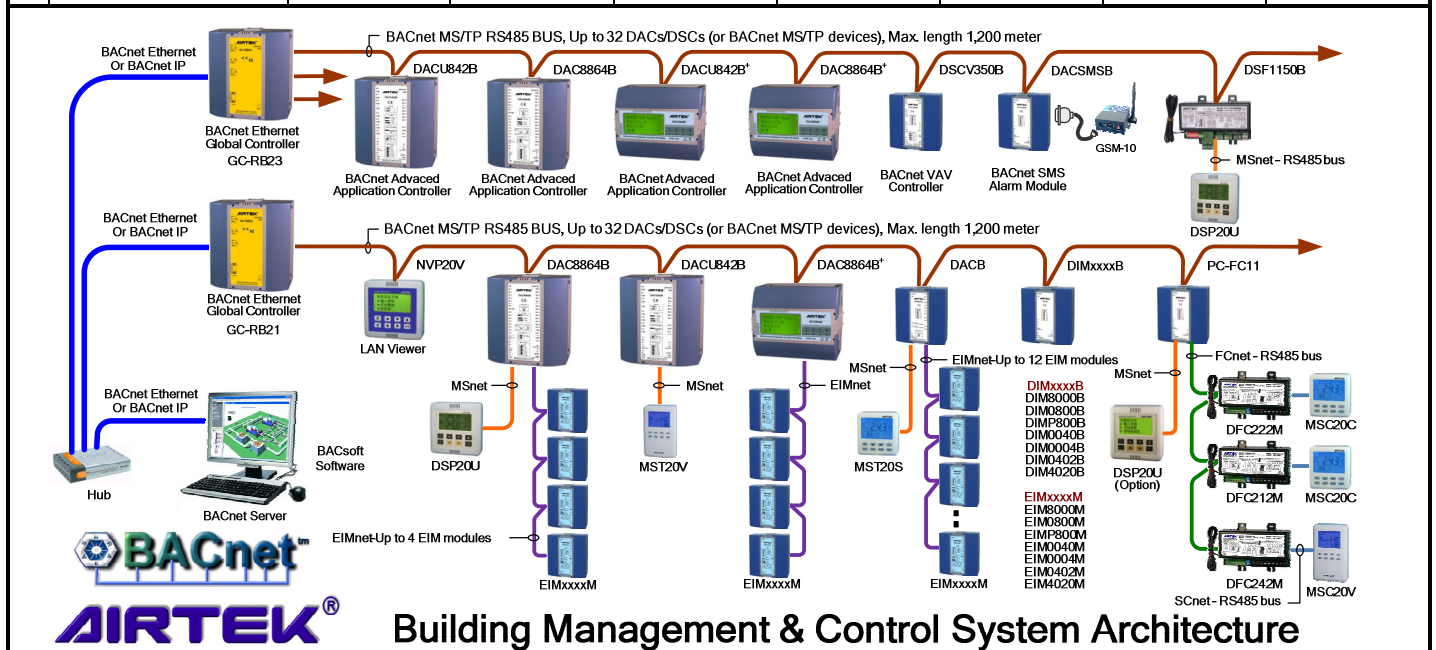
NAME		BACnet Application Specific Controller							PID Temp. Controller
PHOTO									
MODEL		DSC8864B	DSCU842B	DSC4211B	DSCV350B	DSCB	DSF1150B	DSL1150B	DTC4211B
PRODUCT SPECIFICATION	CPU	32-bit High Performance MCU							16-bit MCU
	BACnet DEVICE PROFILE	B-ASC(BACnet Application Specific Controller)							
	BACKUP MEMORY	O	O	O	O	O	O	O	O
	PROGRAMMABLE	O	O	O	O	O	O	O	X
	MS/TP PORT	BACnet MS/TP RS485, connect up to 32 DDC controllers, transmission speed up to 76.8Kbps, maximum length 1200 meters.							
		O	O	O	O	O	O	O	X
	MSnet PORT	MODBUS RTU RS485, connect to a DSP/MST/NVC/MSC control panel, or a MODBUS RTU slave mode device.							
		O (DSP/MST)	O (DSP/MST)	O (DSP/MST)	O (DSP/MST)	O (DSP/MST)	O (DSP/MSC)	O (DSP/MSC)	X
	EIMnet PORT	AIRTEK RS485 specialized for EIMxxxxM modules connection.							
		X	X	X	X	O (4 EIM's)	X	X	X
	PRESSURE SENSOR	±500Pa pressure differential sensor, accuracy ±3% of measure value.							
		X	X	X	O	X	X	X	X
	UNIVERSAL INPUT(UI)	12-bit resolution, selectable input as dry contact, 3KΩ/10KΩ NTC thermistor, 4~20mA or 0~10VDC.							
		X	8	X	3	X	X	X	X
	BINARY INPUT(BI)	12VDC detective, 1,000VDC optical isolator, dry contact or open collector input.							
		8	8(use UI points)	4	3(use UI points)	X	1	1	4
	ANALOG INPUT(AI)	12-bit resolution, selectable input as 3KΩ/10KΩ NTC thermistor, 4~20mA or 0~10VDC.							
		8	8(use UI points)	2	3(use UI points)	X	1	1	2
	BINARY OUTPUT(BO)	SPST relay (dry contact.)			24VAC output		Line voltage output		SPST contact
		6(5A/250VAC)	4(8A/250VAC)	1(5A/250VAC)	5(24VAC triac)	X	5(10A/250VAC)	5(10A/250VAC)	1(8A/250VAC)
	ANALOG OUTPUT(AO)	0~10VDC output.							
		4(12-bit)	2(12-bit)	1(12-bit)	X	X	X	X	1(8-bit)
	PULSE INPUT(PI)	Maximum 100Hz pulse open collector or dry contact input							
		X	8(use UI points)	X	X	X	X	X	X
	ANALOG VALUES(AV)	100	100	100	100	100	100	100	X
	BINARY VALUES(BV)	100	100	100	100	100	100	100	X

Note: Symbol "O" in above tables means it has the function, "X" means it has no such function.
















NAME		Digital I/O Expansion Module for BACnet MS/TP					
PHOTO							
MODEL		DIM8000B	DIMP800B	DIM0800B	DIM0040B	DIM0004B	DIM4020B
PRODUCT SPECIFICATION	CPU	32-bit High Performance MCU					
	BACnet DEVICE PROFILE	B-ASC(BACnet Application Specific Controller)					
	BACKUP MEMORY	O	O	O	O	O	O
	BACnet MS/TP PORT	BACnet MS/TP RS485, transmission speed up to 76.8Kbps, maximum length 1200 meters.					
		O	O	O	O	O	O
	BINARY INPUT(BI)	12VDC detective, 1,000VDC optical isolator, dry contact or open collector input.					
		8	X	X	X	X	4
	ANALOG INPUT(AI)	12-bit resolution, selectable input as 3K $\Omega$ /10K $\Omega$ NTC thermistor, 4~20mA or 0~10VDC.					
		X	X	8	X	X	X
	BINARY OUTPUT(BO)	5A/250VAC, SPST relay dry contact, with Manual On/Manual Off/Automatic changeover switch.					
		X	X	X	4	X	2
	ANALOG OUTPUT(AO)	12-bit resolution, selectable 0~10VDC or 4~20mA output, with Manual/Auto switch and signal adjustment knob.					
		X	X	X	X	4(0~10VDC only)	X
	PULSE INPUT(PI)	Maximum 100Hz pulse open collector or dry contact input.					
		X	8	X	X	X	X

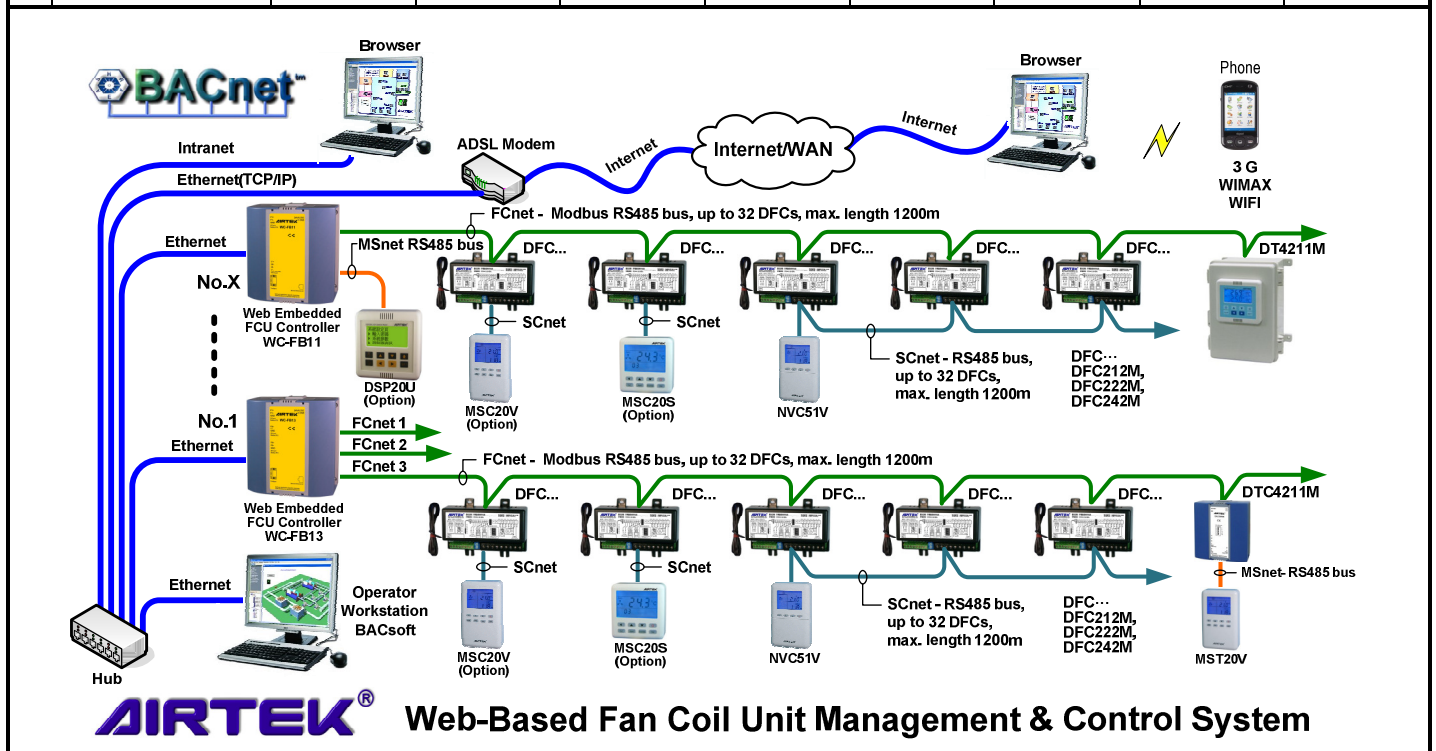
NAME		Digital I/O Expansion Module for EIMnet					
PHOTO							
MODEL		EIM8000M	EIMP800M	EIM0800M	EIM0040M	EIM0004M	EIM4020M
PRODUCT SPECIFICATION	CPU	32-bit High Performance MCU					
	BACKUP MEMORY	1K EEPROM					
	EIMnet PORT	AIRTEK RS485 port for connected to a controller which has EIMnet port, for example WC, GC, DAC, or DSC controller etc.					
		O	O	O	O	O	O
	BINARY INPUT(BI)	12VDC detective, 1,000VDC optical isolator, dry contact or open collector input.					
		8	X	X	X	X	4
	ANALOG INPUT(AI)	12-bit resolution, selectable input as 3K $\Omega$ /10K $\Omega$ NTC thermistor, 4~20mA or 0~10VDC.					
		X	X	8	X	X	X
	BINARY OUTPUT(BO)	5A/250VAC, SPST relay dry contact, with Manual On/Manual Off/Automatic changeover switch.					
		X	X	X	4	X	2
	ANALOG OUTPUT(AO)	12-bit resolution, selectable 0~10VDC or 4~20mA output, with Manual/Auto switch and signal adjustment knob.					
		X	X	X	X	4(0~10VDC only)	X
	PULSE INPUT(PI)	Maximum 100Hz pulse open collector or dry contact input.					
		X	8	X	X	X	X



Note: Symbol "O" in above tables means it has the function, "X" means it has no such function.

NAME		MOUBUS PID Temperature Controller		Networking Fan Coil Unit Controller						
PHOTO										
MODEL		DTC4211M	DT4211M	DFC212M	DFC222M	DFC242M	DFC312M	DFC342M	DFC412M	DFC442M
PRODUCT SPECIFICATION	CPU	32-bit	16-bit High Performance MCU							
	FCnet PORT	MODBUS RTU RS-485 port for connected to WC-FB controller with transmission speed 9,600 bps and maximum length 1,200 meters.								
		O	O	O	O	O	O	O	O	O
	MSnet PORT	MODBUS RTU RS485 port for connected to MST control panel with transmission speed 9,600 bps and maximum length 1,200 meters.								
		O	X	X	X	X	X	X	X	X
	SCnet PORT	MODBUS RTU RS-485 port for connected to NVC or MSC control panel with transmission speed 9,600 bps and max. length 1,200 meters.								
		X	X	O	O	O	O	O	O	O
	BINARY INPUT(BI)	12VDC detective, dry contact or open collector input, 1,000VDC optical isolator.					(Without 1,000VDC optical isolator)			
		4	4	X	X	X	X	2	X	2
	ANALOG INPUT(AI)	12-bit resolution, 10KΩ NTC, 0~10VDC			12-bit resolution, 10KΩ NTC thermistor.					
2		2	1	1	1	1	2	1	2	
BINARY OUTPUT(BO)	SPST dry contact.		SPST contact for fan (line volt), SPDT contact for valve (line volt), SPST dry contact for interlock.							
	1	1	4	5	5	5	6	7	7	
ANALOG OUTPUT(AO)	0~10VDC output.									
	1(12-bit )	1(8-bit )	X	X	X	X	X	X	X	

NAME		LCD Unitary Control Panel					LCD Group Control Panel	LCD Unitary Control Panel	
PHOTO									
MODEL		DSP20U	DSP21H	MST20V	MST20V-H	MST20S	NVC51V	MSC20V	MSC20S
SPECIFICATION	CPU	32-bit MCU			16-bit High Performance MCU				
	TEMP. SENSOR	X	X	10K $\Omega$ NTC	CMOS	10K $\Omega$ NTC	X	X	X
	HUMIDITY SENSOR	X	X	X	CMOS	X	X	X	X
	MSnet PORT	MODBUS RTU RS485 port for connected to WC, GC, DAC, or DSC controller							
		O	O	O	O	O	X	X	X
	SCnet PORT	MODBUS RTU RS485 port for connected to DFC series controller							
		X	X	X	X	X	O	O	O
	GRAPHIC DISPLAY	O	O	O	O	O	O	O	O
	TEXT DISPLAY	O	O	X	X	X	X	X	X
PROGRAMMING	O	O	X	X	X	X	X	X	



Note: Symbol "O" in above tables means it has the function, "X" means it has no such function.