

BAS Systems and Integrations

Section 1

Model Number	Description	CCESC Price
Tridium/Niagara		
TRD-J-700-USA	JACE Network Controller USA	\$8,890.00
TRD-J-800-USA	JACE Network Controller USA	\$10,100.00
TRD-NPM-256	Perpetual License for JACE	\$1,356.00
TRD-TEAPNT-G3	Single Energy Analysis Point	\$690.00
TRD-SSA	Software Support Agreement 3 year	\$1,710.00
TRD-NPS-PWR	JACE Power Supply	\$450.00
TRD-NPS-2X-485	JACE 485 Comm Port	\$530.00
TRD-S-DB-CSV	JACE Device Driver	\$2,800.00
TRD-T-10-16-USA	I/O Module for JACE	\$730.00
TRD-NPB-LON	LON Card	\$860.00
TRD-NPB-BACNET	BACnet Card	\$706.00
MAXI-ASD/DMS/MODBUS	System Integration Driver	\$4,100.00
Blade Server	Virtual Server	\$4,300.00
Virtual Server	Server BAS	\$3,800.00
MNB-1000-USA	Plant Field Controller - BACnet	\$2,500.00
MNB-800-USA	Field Controller - BACnet	\$1,650.00
MNB-300-USA	Field Controller - BACnet	\$870.00
MNB-205-USA	Field Controller - BACnet	\$1,760.00
MNB-150-USA	Field Controller - BACnet	\$780.00
MNB-70-USA	Field Controller - BACnet	\$780.00
MNB-50-USA	Field Controller - BACnet	\$650.00
MNB-V2-USA	VAV Controller - BACnet	\$705.00
MNL-800-USA	Field Controller - LON	\$2,100.00
MNL-20RS4-USA	Field Controller - LON	\$840.00
MNL-205-USA	Field Controller - LON	\$650.00
MNL-10-USA	Field Controller - LON	\$579.00
MNL-50-USA	Field Controller - LON	\$506.00
MNL-V2-USA	VAV Controller - LON	\$730.00
MN-S1-USA	Room Sensor - Cover Blank	\$148.00
MN-S2-USA	Room Sensor - LED/Temp	\$168.00
MN-S3-USA	Room Sensor - LED/Temp/OCC	\$179.00
MN-S4HT-USA	Room Sensor - LED/Temp/Hum	\$480.00
DCQC-18-CM3	Slink Cover with CM3	\$21.00
MNS3HT-USA	Temp & Humidity Sensor	\$580.00
Field Components	Description	Price
LEC-17550	Control Transformer	\$60.00
APT-100	Transformer	\$45.00
BPS-015	DC Power Supply	\$48.00
FUN-RIBXKTF	Control Current Sensor	\$45.00
FUN-RIB-24-O1C	Control Relay	\$31.00
C-1300	Current Switch	\$31.00

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KELE-A70HA-1	Freezestat	\$268.00
TS-9201	Duct/Well Sensor	\$56.00
TS-9405	Outside Air Sensor with Shield	\$290.00
HTSP-with Shield	OA/Humidity Sensor with Shield	\$457.00
AT-225	Stainlees Steel Well	\$43.00
TS-9405-12	Mixed Air Sensor 6 ft	\$78.00
TS-9405-22	Mixed Air Sensor 20 ft	\$112.00
SD-1	Smoke Detector	\$135.00
CO-1	CO2 Sensor - Duct	\$280.00
CO-W	CO2 Sensor - Well	\$267.00
KELE-RFS	Filter DP Switch	\$45.00
KEL-629	Water DP Switch	\$450.00
KES-MS-111	Air DP Switch	\$156.00
AG-1200	Condensate Flow Switch	\$60.00
KELE-RHP	Duct Humidity Sensor	\$158.00
BR-SW	Boiler Room Emergency Switch	\$280.00
MS40-7043	Damper Actuator Small - MOD	\$360.00
MS41-7153	Damper Actuator Large - MOD	\$410.00
MA40-7043	Two Position Damper Actuator Small	\$208.00
MA40-7153	Two Position Damper Actuator Large	\$348.00
KELE-TC-1102	Two Position Electric Thermostat	\$108.00
Enclosures		
UNM-PE12-NEMA 4	Enclousre Small	\$178.00
UNM-PE24-NEMA 4	Enclousre Medium	\$198.00
UNM-PE36-NEMA 4	Enclousre Large	\$320.00
UNM-PE36-NEMA 5	Enclosure Large NEMA 5	\$625.00
FS-Router BACnet	FieldServer BTL Router up to 32 Devices	\$540.00
FS-Router BACnet	FieldServer BTL Router up to 64 Devices	\$809.00
3rd Party		
Honeywell	Jace 300E with I/O -34	\$11,200.00
Honeywell	Reveal Color LCD Web Display	\$6,500.00
JCI	Niagra FX Network Controller	\$5,500.00
SmartStructure		
SXWAUTSVR1001-USA	AS Automation Server & Base	\$4,700.00
SXWPS241001-USA	Power Supply 24 VAC	\$257.00
SXWA08 XXX-USA	AO -8 Module	\$812.00
SXWSCA-Cable	S-Cable Extention	\$65.00
SXWSWESXXXX	SW-EWS Web Services and Server	\$4,300.00
SXWSWESXXXX	SW-EWS Web Services and Trending	\$8,100.00
MNL-Pro View	ProView Wall Display	\$1,710.00
BCS-XXX	4 Channel Point Extender	\$190.00
SE7200C504E	Zone Stat Programmable	\$292.00
SXWMPC1511001	MPC - 15 Smart Controller	\$2,400.00

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SXWSBTHCXSEX	Smart Edge	\$600.00
SXWASB36H10001	ASB 36H Smart Controller	\$3,690.00
SXWMPV9AX10001	VAV Box Smart Controller MP-B9	\$540.00
Quicksilver	Trane Tracer Integration Software	\$4,200.00
Siemens Apogee Driver	Siemens Software	\$7,100.00
Johnson Metasys Driver	JCI Software	\$7,500.00
Trane Summit Driver	Trane Software	\$7,300.00
Honeywell Driver	Honeywell Software	\$7,300.00
Delta Driver	Delta BACnet Software	\$7,300.00
Linkspring Driver	Linkspring Software	\$4,200.00
Robertshaw DMS Driver	Robertshaw Software	\$6,500.00
Modbus Driver	Modbus Software	\$6,800.00
M-Net Control Tool	Mitsubishi Driver	\$3,500.00
Repeaters		
LS11333CB	LON Repeater	\$1,980.00
N2 to R4	System Migration/Upgrade	\$21,000.00
AS-N4	System Migration/Upgrade	\$8,000.00
GCM-R4	System Migration/Upgrade	\$21,000.00
FS-Router BACnet	FieldServer BTL Router up to 32 Devices	\$498.00
FS-Router BACnet	FieldServer BTL Router up to 64 Devices	\$702.00
POE Switch	NetGear 24 Port	\$780.00
Additional Hardware or Software	In the event that one of the above programs does not meet the design criteria and hardware is required, The discount off of list price to furnish this equipment is List Less.	List Less 10 %
Additional Hardware or Software	In the event that one of the above programs does not meet the design criteria and hardware is required and there is no published List Price, The option will be cost plus 15%.	Cost Plus 15%
FX-PCG1611-1	10-point General Purpose Programmable Controller	\$445.00
FX-PCG1611-1ET	10-point General Purpose Programmable Controller	\$424.54
FX-PCG1611-1G-USA	10-point General Purpose Programmable Controller	\$425.75
FX-PCG1621-1	10-point General Purpose Programmable Controller	\$658.03
FX-PCG1621-1G	10-point General Purpose Programmable Controller	\$692.91
FX-PCG2611-0	17-point General Purpose Programmable Controller	\$582.24
FX-PCG2611-0ET	17-point General Purpose Programmable Controller	\$611.36
FX-PCG2611-0G	17-point General Purpose Programmable Controller	\$613.10
FX-PCG2621-0	17-point General Purpose Programmable Controller	\$835.93
FX-PCG2621-0G	17-point General Purpose Programmable Controller	\$880.23
FX-PCV1615-0	5-point Programmable VAV Box Controller	\$376.98
FX-PCV1615-0G	5-point Programmable VAV Box Controller	\$396.96
FX-PCV1626-0	8-point Programmable VAV Box Controller	\$361.97
FX-PCV1626-0G	8-point Programmable VAV Box Controller	\$380.06
FX-PCV1628-0	8-point Programmable VAV Box Controller	\$381.88
FX-PCV1628-0G	8-point Programmable VAV Box Controller	\$400.97

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FX-PCV1630-0	8-point Programmable VAV Box Controller	\$412.87
FX-PCV1630-0G	8-point Programmable VAV Box Controller	\$434.76
FX-PCV1826-0	8-point Programmable VAV Box Controller	\$526.96
FX-PCV1832-0	8-point N2 Programmable VAV Box Controller	\$572.90
FX-PCA2611-0	17-Point Advanced Application Programmable Controller	\$718.26
FX-PCA2612-1	18-Point Advanced Application Programmable Controller	\$760.50
FX-PCA2612-2	18-Point Advanced Application Programmable Controller	\$738.35
FX-PCA3611-0	26-Point Advanced Application Programmable Controller	\$938.78
FX-PCX1711-0	4-point Expansion I/O Module: 4 BI	\$263.90
FX-PCX1711-0G	4-point Expansion I/O Module: 4 BI, Buy American	\$277.87
FX-PCX2711-0	6-point Expansion I/O Module: 2 UI, 2 UO, 2 RO	\$329.86
FX-PCX2711-0G	6-point Expansion I/O Module Buy American	\$347.34
FX-PCX2721-0	10-point Expansion I/O Module	\$353.20
FX-PCX3711-0	12-point Expansion I/O Module	\$428.83
FX-PCX3711-0G	12-point Expansion I/O Module	\$451.56
FX-PCX3721-0	16-point Expansion I/O Module	\$393.08
FX-PCX3731-0	16-point Expansion I/O Module	\$432.95
FX-PCX4711-0	17-point Expansion I/O Module	\$442.02
FX-PCX4711-0G	17-point Expansion I/O Module	\$465.45
FX-DIS1710-0	Local controller display for use with FX-PCG and FX-PCV	\$282.48
FX-DIS1710-0G	Local controller display for use with FX-PCG and FX-PCV	\$297.46
FX-PCT-0	Programming and Commissioning Tool software	\$293.16
FX-PCT-6	Programming and Commissioning Tool software	\$23.59
FX-BTCVT-1	Bluetooth Commissioning Converter	\$618.03
FX-BTCVTCBL-700	Cable replacement set for the FX-BTCVT-1	\$15.50
TL-BRTRP-0	Portable BACnet IP to MS/TP router	\$575.16
NS-ATA7001-0	Network Room Temperature Sensor:	\$113.69
NS-ATA7002-0	Network Room Temperature Sensor:	\$113.69
NS-ATA7003-0	Network Room Temperature Sensor:	\$113.69
NS-ATB7001-0	Network Room Temperature Sensor:	\$119.93
NS-ATB7001-0G	Network Room Temperature Sensor:	\$129.51
NS-ATB7002-0	Network Room Temperature Sensor:	\$119.93
NS-ATB7002-0G	Network Room Temperature Sensor:	\$119.93
NS-ATB7003-0	Network Room Temperature Sensor:	\$119.93
NS-ATC7001-0G	Network Room Temperature Sensor:	\$152.77
NS-ATC7002-0	Network Room Temperature Sensor:	\$127.93
NS-ATD7001-0	Network Room Temperature Sensor:	\$129.36
NS-ATD7002-0	Network Room Temperature Sensor:	\$129.36
NS-ATF7001-0	Network Room Temperature Sensor:	\$113.69
NS-ATF7002-0	Network Room Temperature Sensor:	\$113.69
NS-ATN7001-0	Network Room Temperature Sensor:	\$91.96
NS-ATN7001-2	Network Room Temperature Sensor:	\$91.96
NS-ATN7003-0	Network Room Temperature Sensor:	\$91.96

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NS-ATN7003-2	Network Room Temperature Sensor:	\$91.96
NS-ATP7001-0	Network Room Temperature Sensor:	\$99.95
NS-ATP7001-2	Network Room Temperature Sensor:	\$99.95
NS-ATP7002-0	Network Room Temperature Sensor:	\$99.95
NS-ATP7003-0	Network Room Temperature Sensor:	\$99.95
NS-ATP7003-2	Network Room Temperature Sensor:	\$99.95
NS-ATV7001-0	Network Room Temperature Sensor:	\$137.20
NS-ATV7001-0G	Network Room Temperature Sensor:	\$137.20
NS-ATV7002-0	Network Room Temperature Sensor:	\$137.20
NS-ATV7002-0G	Network Room Temperature Sensor:	\$137.20
NS-BTB7001-0	Network Room Temperature Sensor:	\$123.92
NS-BTB7001-0G	Network Room Temperature Sensor:	\$148.32
NS-BTB7001-2	Network Room Temperature Sensor:	\$123.92
NS-BTB7002-0	Network Room Temperature Sensor:	\$123.92
NS-BTB7002-0G	Network Room Temperature Sensor:	\$123.92
NS-BTB7003-0	Network Room Temperature Sensor:	\$123.92
NS-BTB7003-0G	Network Room Temperature Sensor:	\$169.89
NS-BTF7001-0	Network Room Temperature Sensor:	\$123.92
NS-BTF7002-0	Network Room Temperature Sensor:	\$123.92
NS-BTN7001-0	Network Room Temperature Sensor:	\$96.89
NS-BTN7001-0G	Network Room Temperature Sensor:	\$121.68
NS-BTN7001-2	Network Room Temperature Sensor:	\$96.89
NS-BTN7003-0	Network Room Temperature Sensor:	\$95.94
NS-BTN7003-0G	Network Room Temperature Sensor:	\$135.42
NS-BTP7001-0	Network Room Temperature Sensor:	\$101.92
NS-BTP7001-0G	Network Room Temperature Sensor:	\$122.57
NS-BTP7001-2	Network Room Temperature Sensor:	\$101.92
NS-BTP7002-0	Network Room Temperature Sensor:	\$101.92
NS-BTP7002-2	Network Room Temperature Sensor:	\$101.92
NS-BTP7003-0G	Network Room Temperature Sensor:	\$148.18
NS-BTV7001-0	Network Room Temperature Sensor:	\$141.13
NS-BTV7002-0	Network Room Temperature Sensor:	\$141.13
NS-AHA7001-0	Network Room Temperature and 3% Humidity Sensor:	\$448.71
NS-AHA7002-0	Network Room Temperature and 3% Humidity Sensor:	\$456.85
NS-AHB7002-0	Network Room Temperature and 3% Humidity Sensor:	\$456.85
NS-AHB7002-0G	Network Room Temperature and 3% Humidity Sensor:	\$456.85
NS-AHB7003-0	Network Room Temperature and 3% Humidity Sensor:	\$384.44
NS-AHN7001-0	Network Room Temperature and 3% Humidity Sensor:	\$297.00
NS-AHP7001-0	Network Room Temperature and 3% Humidity Sensor:	\$310.85
NS-APA7001-0	Network Room Temperature and 3% Humidity Sensor:	\$560.89
NS-APA7002-0	Network Room Temperature and 3% Humidity Sensor:	\$571.07
NS-APB7001-0	Network Room Temperature and 3% Humidity Sensor:	\$560.89
NS-APB7002-0	Network Room Temperature and 3% Humidity Sensor:	\$571.07

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NS-APB7003-0	Network Room Temperature and 3% Humidity Sensor:	\$480.55
NS-BHB7001-0	Network Room Temperature and 3% Humidity Sensor:	\$460.66
NS-BHB7001-0G	Network Room Temperature and 3% Humidity Sensor:	\$483.56
NS-BHB7002-0	Network Room Temperature and 3% Humidity Sensor:	\$460.66
NS-BHB7002-0G	Network Room Temperature and 3% Humidity Sensor:	\$460.66
NS-BHB7003-0	Network Room Temperature and 3% Humidity Sensor:	\$410.81
NS-BHN7001-0	Network Room Temperature and 3% Humidity Sensor:	\$336.13
NS-BHN7001-0G	Network Room Temperature and 3% Humidity Sensor:	\$359.83
NS-BHP7001-0	Network Room Temperature and 3% Humidity Sensor:	\$351.81
NS-BHP7001-0G	Network Room Temperature and 3% Humidity Sensor:	\$369.42
NS-BPB7001-0	Network Room Temperature and 3% Humidity Sensor:	\$574.88
NS-BPB7001-0G	Network Room Temperature and 3% Humidity Sensor:	\$695.28
NS-BPB7002-0	Network Room Temperature and 3% Humidity Sensor:	\$574.88
NS-BPB7003-0	Network Room Temperature and 3% Humidity Sensor:	\$547.51
NS-BCN7004-0	Network Room CO2 Sensor	\$754.53
NS-MNN7001-0	Network Room Sensor	\$242.40
NS-MNN7003-0	Network Room Sensor	\$242.40
NS-MTL7001-0	Network Room Sensor	\$406.99
NS-MTL7002-0	Network Room Sensor	\$406.99
NS-MTB7001-0	Network Room Sensor	\$406.99
NS-MTB7002-0	Network Room Sensor	\$406.99
NS-MHL7001-0	Network Room Sensor	\$541.82
NS-MHL7002-0	Network Room Sensor	\$541.82
NS-FTN7003-2	Flush mount temperature sensor	\$128.39
NS-DTN7043-0	Duct mountable network temperature sensor	\$126.84
NS-DTN7043-0G	Duct mountable network temperature sensor	\$150.11
NS-DTN7083-0	Duct mountable network temperature sensor	\$126.84
FX-ATV7003-0	Handheld VAV Box Balancing Tool	\$135.93
FX-ZFR1810-1	Wireless Field Bus Coordinator	\$413.86
FX-ZFR1810-1G	Wireless Field Bus Coordinator, Buy American	\$513.29
FX-ZFR1811-1	Wireless Field Bus Router	\$140.45
FX-ZFR1811-1G	Wireless Field Bus Router, Buy American	\$174.14
FX-ZFR1812-0	Wireless Field Bus Router	\$177.51
FX-ZFRRPTK-H1	Wireless Field Bus Repeater Kit	\$257.56
FX-ZFRRPTK-H2	Wireless Field Bus Repeater Kit	\$278.94
FX-ZFRRPT-0	24 VAC to 15 VDC power supply	\$74.65
FX-ZFRRPT-0G	24 VAC to 15 VDC power supply	\$78.60
FX-ZFRRPTK-H2	Wireless Field Bus Repeater Kit	\$278.94
FX-ZFRRPT-0	24 VAC to 15 VDC power supply	\$74.65
SXWRCF12C1001	RPC-12C Smart Controller	\$610.00
FX-WRZSST-120	Wireless System Sensing Tool	\$195.32
FX-WRZTTB00-0	Wireless room temperature sensor with LCD	\$164.86
FX-WRZTTB00-0G	Wireless room temperature sensor with LCD	\$173.59

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FX-WRZTTD00-0	Wireless room temperature sensor with LCD	\$164.86
FX-WRZTTD00-0G	Wireless room temperature sensor with LCD	\$173.59
FX-WRZTTP00-0	Wireless room temperature sensor with LCD	\$166.44
FX-WRZTTP00-0G	Wireless room temperature sensor with LCD	\$175.26
FX-WRZTTR00-0	Wireless room temperature sensor with LCD	\$161.26
FX-WRZTTR00-0G	Wireless room temperature sensor with LCD	\$169.81
FX-WRZTTS00-0	Wireless room temperature sensor with LCD	\$166.44
FX-WRZTTS00-0G	Wireless room temperature sensor with LCD	\$175.26
FX-WRZTHB00-0	Wireless room temperature and humidity sensor with LCD	\$276.92
FX-WRZTHN00-0	Wireless room temperature and humidity sensor with LCD	\$246.93
FX-WRZTHP00-0	Wireless room temperature and humidity sensor with LCD	\$251.11
GPS-24FC	Bipolar Ionization Air Purifier up to 2,400 CFM - Installed	\$800.00
GPS-48FC	Bipolar Ionization Air Purifier up to 4,800 CFM - Installed	\$950.00
GPS-IRIB	Bipolar Ionization Air Purifier up to 2,400 CFM - Installed	\$790.00
GPS-IMOD	Bipolar Ionization Air Purifier up to 40,000 CFM - Installed	\$6,500.00
Visitor Management	Temperature/ID/Mask Detection Station	\$6,500.00
Engineering	Engineering Hourly Rate	185.00/ Hour
Control Specialist	Technician Hourly Rate 2021	175.00/Hour
Control Specialist	Technician Hourly Rate 2022	180.00/Hour
Control Specialist	Technician Hourly Rate 2023	184.00/Hour
Dashboard Engineering	Hourly Rate	175.00/Hour
Project Manager	Hourly Rate	185.00/Hour
HVAC Mechanic	A Fitter - Union Steamfitter 2021	165.00/Hour
HVAC Mechanic	A Fitter - Union Steamfitter 2022	168.00/Hour
HVAC Mechanic	A Fitter - Union Steamfitter 2023	172.00/Hour