

Quotation No: **0101-9524 Rev 3**  
Please refer to this number when ordering.

Date: 9/12/2007

To: City of Columbus  
2104 Jackson Pike  
Columbus, OH 43223

Please send your purchase order to:

Invensys Process Systems  
6745 Engle Road  
Suite 205  
Middleburg Heights, OH 44130  
USA  
TEL: 440-816-7579  
FAX: 440-234-9727  
shelia.carr@ips.invensys.com

Attn: Jack Lelco  
Tel: (614) 645-3138 ext. 1217  
Email: jhlelko@columbus.gov

Inquiry Reference:

**Advantage upgrade to MESH Network**

Orders placed on or before the expiration date  
will be billed at prices quoted.

This Quotation expires in 30 days

FOB: Foxboro, MA

Terms: Net 30

Invensys Systems, Inc.

Estimated Shipment: 4 - 6 weeks ARO

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Presented By: John Grim

Please find attached quotation for the items  
you requested.

Prepared By: Bill Schneider

Notes:

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Travel and Living Expenses are not included and will be invoiced separately.

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ITEM	QTY	
1.00	2	8 RJ45 & 8 MTRJ FO Port E'net Switch &Uplink Ports

**Base Model:** P0973BK

**FUNCTION:** The P0973BK managed switch provides eight 100Base-TX ports with RJ-45 connectors, eight 100Base-FX ports with MT-RJ connectors, two fixed 10/100/1000 ports for uplink and two 1000Base-X uplink Gigabit (SFP) ports. The two 1000Base-X uplink Gigabit (SFP) ports can be populated with Mini-GBIC uplink connector modules P0972WT, P0972WU, P0972YQ, or P0972YL. The switch allows high-performance, full-featured layer-2 Ethernet switching in small to medium-sized network applications, as well as high-performance direct end-station connectivity. Supersedes P0972WG. Control line interface cable, P0973EY, (used for configuring this switch from a laptop) must be purchased separately. Only one P0973EY is needed per installation/site. One K0173ZU CDROM is needed per MESH network. This CDROM contains the Mesh Configuration Tool (K0173XS), which is needed to properly configure this switch, plus all network and switch documentation.

Each List:	\$3,409.39	Total List:	\$6,818.78
Each Net:	\$3,068.45	Total Net:	\$6,136.90

ITEM	QTY	
1.01	2	Fiber Optic Multimode Cable, MT-RJ/MT-RJ, 3 m

**Base Model:** P0972KV

**FUNCTION:** Length: 3 Meters. MMF 62.5/125  $\mu$ m Fiber Optic Cable. Connectors: MT-RJ On Each End. Wiring: 1 To 1 (i.e. No Crossover).

Each List:	\$84.94	Total List:	\$169.88
Each Net:	\$76.45	Total Net:	\$152.90

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ITEM	QTY	
1.02	1	Control Line I/F Cable for Enterasys Switches

**Base Model:** P0973EY

**FUNCTION:** This control line interface cable is used to connect a laptop/desktop computer to an Enterasys switch for switch configuration purposes. Length: 5 to 6 feet. Connectors: 9-Pin D (female), both ends.

Each List:	\$24.18	Total List:	\$24.18
Each Net:	\$21.76	Total Net:	\$21.76

ITEM	QTY	
1.03	1	Mesh Configuration Tool & Switch/Network Documents

**Base Model:** K0173ZU

**FUNCTION:** One K0173ZU CDROM is needed per MESH network. This CDROM contains the Mesh Configuration Tool (K0173XS), which is needed to properly configure network Ethernet switches. It also contains all network and switch documentation.

Each List:	\$108.77	Total List:	\$108.77
Each Net:	\$97.89	Total Net:	\$97.89

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ITEM QTY  
2.00 1 Model P92 Workstation For Windows

**Base Model:** P9220456070H

P92 **FUNCTION:** Consisting of an Intel® Core™ 2 Duo Processor mounted in a Mini-Tower. The Base Unit consists of an Internal Hard Drive (SATA), 1 Gb of ECC RAM, Internal Floppy Drive, Internal DVD+RW/CDRW Drive, Mouse, Keyboard and PCIe Dual Video Interface. The Workstation Model P92 for Windows can be connected to the I/A Series V7.x Control Network via the Redundant Control Network Interface (RCNI), or Ethernet-Based Micro I/A, or to the I/A Series V8.x Mesh Control Network and supports optional I/A Series V7.x Control Software for direct connected I/O subsystems.

2 **I/A SERIES VERSION:** For Version 8.x System

0 **FUTURE OPTION:** Not used

4 **MOUSE/TRACKBALL/VIDEO HEADS:** Mouse plus dual head analog/digital video interface (PCIe)

5 **RAM:** 2.0 Gb

6 **INTERNAL SYSTEM DISK:** PC with one 250 Gb Serial ATA Hard Drive

0 **BACKUP DEVICE:** None

7 **ETHERNET CARD:** Two Fiber MT-RJ PCI NICs + RJ45 Integrated NIC (PCIe)

0 **I/O CARDS:** None

H **HARDWARE TRADE-IN UPGRADE CREDIT:** Advantage Discount for return of 70B

Each List:	\$4,720.18	Total List:	\$4,720.18
Each Net:	\$3,304.13	Total Net:	\$3,304.13

ITEM QTY  
2.01 1 Adv Upgrade 19" LCD Flat Panel

**Base Model:** P0997JL

**FUNCTION:** Panel For Upgrades From CRTs

Each List:	\$1,156.00	Total List:	\$1,156.00
Each Net:	\$635.80	Total Net:	\$635.80

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ITEM	QTY	
2.02	2	Fiber Optic Multimode Cable, MT-RJ/MT-RJ, 3 m

**Base Model:** P0972KV**FUNCTION:** Length: 3 Meters. MMF 62.5/125 µm Fiber Optic Cable. Connectors: MT-RJ On Each End. Wiring: 1 To 1 (i.e. No Crossover).

Each List:	\$84.94	Total List:	\$169.88
Each Net:	\$76.45	Total Net:	\$152.90

ITEM	QTY	
2.03	1	FoxPanels SW Lic For Windows

**Base Model:** J0200NG**FUNCTION:** FoxPanels Is An Annunciator Software License With Screen-Based Panel Functions That Provide Preconfigured Or Custom-Built Alarm And Operator Action Hot-Button For Process Operator Use. For I/A Series V6.x And V7.x, Windows.

Each List:	\$2,097.22	Total List:	\$2,097.22
Each Net:	\$1,887.50	Total Net:	\$1,887.50

ITEM	QTY	
2.04	1	McAfee Virus Scan

**Base Model:** K0200YF**FUNCTION:** Bundled Software For Virus Scanning

Each List:	\$64.26	Total List:	\$64.26
Each Net:	\$57.83	Total Net:	\$57.83

ITEM	QTY	
2.05	1	Embedded Windows XP Operating System

**Base Model:** P0922KV**FUNCTION:** Software Included With Workstation

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Each List:	\$0.01	Total List:	\$0.01
Each Net:	\$0.01	Total Net:	\$0.01

ITEM	QTY	
3.00	1	V8.x Windows XP & Windows Server 2003 Media Kit

**Base Model:** K0200YT

**FUNCTION:** Includes base I/A Series V8.x software media for Windows XP and Windows Server 2003 platforms, release notes and electronic user documentation. Requires S10 software license.

Each List:	\$306.78	Total List:	\$306.78
Each Net:	\$276.10	Total Net:	\$276.10

ITEM	QTY	
4.00	1	FoxView/FoxDraw V10.x For Windows Media Kit

**Base Model:** P0922RV

**FUNCTION:** FoxView/FoxDraw V10.x For I/A Series V8.0, Windows XP. Installation CD And Instructions. Requires S-Code License For Use.

Each List:	\$201.52	Total List:	\$201.52
Each Net:	\$181.37	Total Net:	\$181.37

ITEM	QTY	
5.00	1	I/A Series Workstation Software License, Windows

**Base Model:** S10B23220114

S10 **FUNCTION:** Software Suite License for Windows Based Workstations with optional selections for Size, Networking, Operator Displays, Hosting Services, and Engineering Tools, and Field Device Managers.

B **VERSION:** For I/A Series V8x with P92 Processors

2 **ANALOG I/O QTY:** Up to 250 Analog I/O Points

3 **DIGITAL I/O QTY:** Up to 500 Digital I/O Points

2 **NETWORKING:** Redundant Ethernet

2 **OPERATOR DISPLAY MANAGERS:** Two

0 **VIEW ONLY DISPLAY MANAGERS:** None

1 **HOSTING SUPPORT:** Control Services

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- 1      **ENGINEERING TOOLS:** FoxDraw  
4      **UPGRADES:** Advantage discount for return of V6.x SW

Each List:            \$16,131.72  
Each Net:            \$11,292.20

Total List:           \$16,131.72  
Total Net:            \$11,292.20

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ITEM QTY  
6.00 2 Model P92 Workstation For Windows

**Base Model:** P9220456070H

P92 **FUNCTION:** Consisting of an Intel® Core™ 2 Duo Processor mounted in a Mini-Tower. The Base Unit consists of an Internal Hard Drive (SATA), 1 Gb of ECC RAM, Internal Floppy Drive, Internal DVD+RW/CDRW Drive, Mouse, Keyboard and PCIe Dual Video Interface. The Workstation Model P92 for Windows can be connected to the I/A Series V7.x Control Network via the Redundant Control Network Interface (RCNI), or Ethernet-Based Micro I/A, or to the I/A Series V8.x Mesh Control Network and supports optional I/A Series V7.x Control Software for direct connected I/O subsystems.

2 **I/A SERIES VERSION:** For Version 8.x System

0 **FUTURE OPTION:** Not used

4 **MOUSE/TRACKBALL/VIDEO HEADS:** Mouse plus dual head analog/digital video interface (PCIe)

5 **RAM:** 2.0 Gb

6 **INTERNAL SYSTEM DISK:** PC with one 250 Gb Serial ATA Hard Drive

0 **BACKUP DEVICE:** None

7 **ETHERNET CARD:** Two Fiber MT-RJ PCI NICs + RJ45 Integrated NIC (PCIe)

0 **I/O CARDS:** None

H **HARDWARE TRADE-IN UPGRADE CREDIT:** Advantage Discount for return of 70B

Each List:	\$4,720.18	Total List:	\$9,440.36
Each Net:	\$3,304.13	Total Net:	\$6,608.26

ITEM QTY  
6.01 2 Adv Upgrade 19" LCD Flat Panel

**Base Model:** P0997JL

**FUNCTION:** Panel For Upgrades From CRTs

Each List:	\$1,156.00	Total List:	\$2,312.00
Each Net:	\$635.80	Total Net:	\$1,271.60

ITEM QTY  
6.02 4 Fiber Optic Multimode Cable, MT-RJ/MT-RJ, 15 m

**Base Model:** P0972KW

**FUNCTION:** Length: 15 Meters. MMF 62.5/125 µm Fiber Optic Plenum Cable. Connectors: MT-RJ On Each End. Wiring: 1 To 1 (i.e. No Crossover).



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Each List:	\$116.26	Total List:	\$465.04
Each Net:	\$104.63	Total Net:	\$418.52

ITEM	QTY	
6.03	2	McAfee Virus Scan

**Base Model:** K0200YF**FUNCTION:** Bundled Software For Virus Scanning

Each List:	\$64.26	Total List:	\$128.52
Each Net:	\$57.83	Total Net:	\$115.66

ITEM	QTY	
6.04	2	Embedded Windows XP Operating System

**Base Model:** P0922KV**FUNCTION:** Software Included With Workstation

Each List:	\$0.01	Total List:	\$0.02
Each Net:	\$0.01	Total Net:	\$0.02

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ITEM	QTY	
7.00	2	I/A Series Workstation Software License, Windows

**Base Model:** S10B22220004

S10 **FUNCTION:** Software Suite License for Windows Based Workstations with optional selections for Size, Networking, Operator Displays, Hosting Services, and Engineering Tools, and Field Device Managers.

B **VERSION:** For I/A Series V8x with P92 Processors

2 **ANALOG I/O QTY:** Up to 250 Analog I/O Points

2 **DIGITAL I/O QTY:** Up to 250 Digital I/O Points

2 **NETWORKING:** Redundant Ethernet

2 **OPERATOR DISPLAY MANAGERS:** Two

0 **VIEW ONLY DISPLAY MANAGERS:** None

0 **HOSTING SUPPORT:** None

0 **ENGINEERING TOOLS:** None

4 **UPGRADES:** Advantage discount for return of V6.x SW

Each List: \$11,541.50

Each Net: \$8,079.05

Total List: \$23,083.00

Total Net: \$16,158.10

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ITEM	QTY	
8.00	2	Advantage Upgrade from older CPs to CP270

**Base Model:** P27001101021

P270 **FUNCTION:** Paper document that identifies children FCP270 (P0917YZ) Baseplate Mounted Control Processor Or ZCP270 (P0926CP) Control Processor Implemented In A "Z" Form Factor. Both With Control Network And Fieldbus Network Connections Using 100 Mbps Fiber Optic.

0 **I/A SERIES VERSION:** For Version 8.x System

1 **CONTROLLER TYPE:** ZCP270 Control Processor

1 **FUTURE OPTION:** Not used

0 **FUTURE OPTION:** Not used

1 **FUTURE OPTION:** Not used

0 **FUTURE OPTION:** Not used

2 **HARDWARE TRADE-IN UPGRADE CREDIT:** Advantage Discount for CP30(A) return

1 **ADDITIONAL DISCOUNT FOR RETURN OF ADDITIONAL PRODUCT:** Trade in of 1 additional LifeTime/Obsolete Product (Total 2)

Each List:	\$0.01	Total List:	\$0.02
Each Net:	\$0.01	Total Net:	\$0.02

ITEM	QTY	
8.01	1	ZCP270 Or ATS Fault Tolerant Connector

**Base Model:** P0926DF**FUNCTION:** For Use With ZCP270 Control Processor Or Address Translation Station

Each List:	\$93.45	Total List:	\$93.45
Each Net:	\$84.11	Total Net:	\$84.11

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ITEM	QTY	
8.02	4	0.5 m LC-LC Fiber Optic Jumper Cable, Gray

**Base Model:** P0972UN**FUNCTION:** Fiber Optic Cable, Gray

Each List:	\$66.89	Total List:	\$267.56
Each Net:	\$60.20	Total Net:	\$240.80

ITEM	QTY	
8.03	4	0.5 m LC-LC Fiber Optic Jumper Cable, Orange

**Base Model:** P0972VG**FUNCTION:** Fiber Optic Cable, Orange

Each List:	\$66.89	Total List:	\$267.56
Each Net:	\$60.20	Total Net:	\$240.80

ITEM	QTY	
8.04	2	Splitter / Combiner Kit (With 2 Modules)

**Base Model:** P0926MX**FUNCTION:** Splitter Combiner Kit Which Includes 2 Splitter/Combiners, Bracket And Hardware

Each List:	\$981.44	Total List:	\$1,962.88
Each Net:	\$883.30	Total Net:	\$1,766.60

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ITEM QTY  
8.05 4 3 m, MMF, Fiber, MT-RJ To LC Adapter Cable

**Base Model:** P0972TR

**FUNCTION:** 3 Meter Fiber, MMF, 62.5/125 um, Riser, MT-RJ To LC Adapter Cable  
Used To Connect FCP/ZCPs To MT-RJ Fiber Switches. Has PVC Content.

Each List:	\$70.64	Total List:	\$282.56
Each Net:	\$63.58	Total Net:	\$254.32

ITEM QTY  
8.06 2 ZCP270 Control Processor

**Base Model:** P0926CP

**FUNCTION:** ZCP270 Control Processor To Be Implemented In A 1 x 8 Mounting  
Structure. Control Network And Fieldbus Network Connections Are 100 Mbps Fiber  
Optic.

Each List:	\$8,747.65	Total List:	\$17,495.30
Each Net:	\$5,860.93	Total Net:	\$11,721.86

ITEM QTY  
9.00 1 I/A IR Letterbug Configurator

**Base Model:** B21100000000

B21 **FUNCTION:** Letterbug configurator that uses infrared technology to communicate  
with controllers and communications modules for the purpose of assigning  
letterbugs to the modules.  
100000000 **CONFIGURATOR:** Personal Data Assistant Configurator

Each List:	\$809.18	Total List:	\$809.18
Each Net:	\$728.26	Total Net:	\$728.26

ITEM QTY  
9.01 1 Embedded Letterbug Config Operating System

**Base Model:** P0926RV**FUNCTION:** Operating System Software For The I/A IR Letterbug Configurator.

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Each List:	\$0.01	Total List:	\$0.01
Each Net:	\$0.01	Total Net:	\$0.01

ITEM	QTY	
10.00	1	I/A Series Function Block SW License

**Base Model:** S61C3144100B

S61	<b>FUNCTION:</b> I/A Series Software License Entitling User To Use The Specified I/A Series Function Block Software Selections
C	<b>VERSION:</b> For Use On FCP270, ZCP270, Or Gateway FBM
3	<b>ANALOG INPUT QTY:</b> Up To 150 Analog Inputs
1	<b>ANALOG OUTPUT QTY:</b> Up To 50 Analog Outputs
4	<b>DIGITAL INPUT QTY:</b> Up To 200 Digital Inputs
4	<b>DIGITAL OUTPUT QTY:</b> Up To 200 Digital Outputs
1	<b>LICENSE TYPE:</b> Fault Tolerant Control & Monitoring
0	<b>FUTURE OPTION:</b> Not Used
0	<b>FUTURE OPTION:</b> Not Used
B	<b>UPGRADES:</b> Adv. Discount for CP30(A) return

Each List:	\$14,450.02	Total List:	\$14,450.02
Each Net:	\$10,115.01	Total Net:	\$10,115.01

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ITEM	QTY	
11.00	6	FCM100E, Field Comm Mod w/Fiber Optic

**Base Model:** P0972ZA

**FUNCTION:** FCM100E Field Communication Module for connecting The Mesh Network to Series 100 or Series 200 field bus modules. Uses one fiber optic 100 Mbps Ethernet Mesh connection. Two modules required for redundant Mesh installations. Does not support TDR (Transient Data Recorder) functions. Operates up to 70° C (158° F).

Each List:	\$2,986.99	Total List:	\$17,921.94
Each Net:	\$2,688.29	Total Net:	\$16,129.74

ITEM	QTY	
11.01	3	2 FCM Slots Hor. Baseplate, Time Strobe

**Base Model:** P0926KE

**FUNCTION:** Horizontal Baseplate For 2 FCM With Time Strobe And Local Fieldbus Connectors.

Each List:	\$305.11	Total List:	\$915.33
Each Net:	\$274.60	Total Net:	\$823.80

ITEM	QTY	
11.02	6	15 m MMF, Fiber, MT-RJ To LC Adapter Cable

**Base Model:** P0972TS

**FUNCTION:** 15 Meter Fiber, MMF, 62.5/125 um, Plenum, MT-RJ To LC Adapter Cable Used To Connect FCP/ZCPs To MT-RJ Fiber Switches. Has PVC Content.

Each List:	\$107.74	Total List:	\$646.44
Each Net:	\$96.97	Total Net:	\$581.82

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ITEM	QTY	
11.03	3	Splitter/Terminator 268Kbps Fieldbus

**Base Model:** P0926LC**FUNCTION:** Baseplate Splitter Terminator For Time Synchronization (Time Strobe)

Each List:	\$104.55	Total List:	\$313.65
Each Net:	\$94.10	Total Net:	\$282.30

ITEM	QTY	
11.04	6	Termination Cable Assembly

**Base Model:** P0903VY**FUNCTION:** SPECTRUM Fieldbus Termination Cable Assembly Connects I/A Series Remote Fieldbus Cable To SPECTRUM Migration Integrators.

Each List:	\$196.80	Total List:	\$1,180.80
Each Net:	\$177.12	Total Net:	\$1,062.72

ITEM	QTY	
11.05	6	Fieldbus Isolator/Term Block Cable

**Base Model:** P0800DC**FUNCTION:**

Each List:	\$298.63	Total List:	\$1,791.78
Each Net:	\$268.77	Total Net:	\$1,612.62



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ITEM	QTY	
11.06	3	Fieldbus Power Distribution Unit (EC96)

**Base Model:** P0904AU

**FUNCTION:** The Fieldbus PDU Provides Power Connectivity Directly From The Cellbus To One Or More Fiber Optic Fieldbus Modems. In A 2x8 Configuration, The PDU Can Power Up To 4 Modems. In A 1x8 Configuration, It Powers Up To 2 Modems.

Each List:	\$307.86	Total List:	\$923.58
Each Net:	\$277.07	Total Net:	\$831.21

ITEM	QTY	
11.07	3	FCM Baseplate Dual Input Power Cable

**Base Model:** P0972ZS

**FUNCTION:** Power cable. Connects primary and secondary power to a FCM baseplate from an I/A PDU. Approximately 52 inches long.

Each List:	\$39.20	Total List:	\$117.60
Each Net:	\$35.28	Total Net:	\$105.84

ITEM	QTY	
12.00	1	8 Slots Hor. Baseplate, Time Strobe, 8FBM

**Base Model:** P0926HT

**FUNCTION:** Horizontal Baseplate With 8 FBMs' Slots, With Time Strobe And Local Fieldbus Connectors.

Each List:	\$923.83	Total List:	\$923.83
Each Net:	\$831.45	Total Net:	\$831.45

ITEM	QTY	
12.01	2	FCM100E, Field Comm Mod w/Fiber Optic

**Base Model:** P0972ZA

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**FUNCTION:** FCM100E Field Communication Module for connecting The Mesh Network to Series 100 or Series 200 field bus modules. Uses one fiber optic 100 Mbps Ethernet Mesh connection. Two modules required for redundant Mesh installations. Does not support TDR (Transient Data Recorder) functions. Operates up to 70° C (158° F).

Each List:	\$2,986.99	Total List:	\$5,973.98
Each Net:	\$2,688.29	Total Net:	\$5,376.58

ITEM	QTY	
12.02	2	50 m, MMF, Fiber, MT-RJ To LC Adapter Cable

**Base Model:** P0972TT

**FUNCTION:** 50 Meter Fiber, MMF, 62.5/125 um, Plenum, MT-RJ To LC Adapter Cable Used To Connect FCP/ZCPs To MT-RJ Fiber Switches. Has PVC Content.

Each List:	\$174.38	Total List:	\$348.76
Each Net:	\$156.94	Total Net:	\$313.88

ITEM	QTY	
12.03	1	Fieldbus & Time Strobe Baseplate Terminator

**Base Model:** P0926KZ

**FUNCTION:** Baseplate Splitter Terminator For Time Synchronization (Time Strobe)

Each List:	\$59.73	Total List:	\$59.73
Each Net:	\$53.76	Total Net:	\$53.76

ITEM	QTY	
13.00	2	Power Connection Kit For FPS 400-24

**Base Model:** P0926DZ

**FUNCTION:** Input Power Connection Kit For FPS 400-24. Includes Terminal Blocks.

Each List:	\$65.25	Total List:	\$130.50
Each Net:	\$58.73	Total Net:	\$117.46

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ITEM	QTY	
13.01	2	FPS 400-24 Power Cable, 15"

**Base Model:** P0923DA**FUNCTION:** 15-Inch Input Power Cable

Each List:	\$37.64	Total List:	\$75.28
Each Net:	\$33.88	Total Net:	\$67.76

ITEM	QTY	
13.02	2	Power Supply, FPS 400-24

**Base Model:** P0922YU**FUNCTION:** Power Supply With Universal ac/dc Mains @ 85/265 Vac 47/63 Cycles Or 125 Vdc; Output 24 Vdc. UL And UL-C Listed For Class I, Division 2, Groups A,B,C,D And CENELEC Certified For Zone 2 Group IIC. For G3 Environmental Locations. Rated Output 400 Watts.

Each List:	\$654.92	Total List:	\$1,309.84
Each Net:	\$589.43	Total Net:	\$1,178.86

ITEM	QTY	
13.03	2	Power Supply Output Cable - 405 mm (16 in)

**Base Model:** P0926KK**FUNCTION:** Cable To Connect P0917LY Power Supply To Modular Baseplate. One Cable Per Baseplate Required For Non-Redundant Power, Two Cables For Redundant Cable. Length 16 Inches / 405 mm.

Each List:	\$55.47	Total List:	\$110.94
Each Net:	\$49.92	Total Net:	\$99.84

ITEM	QTY	
14.00	2	FBM231, Four Serial Ports, Redundant

**Base Model:** P0926GV**FUNCTION:** Redundant Ready Communication Interface With 4 Serial Ports RS232C, RS422 And RS485.

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Each List:	\$3,623.53	Total List:	\$7,247.06
Each Net:	\$3,261.18	Total Net:	\$6,522.36

ITEM	QTY	
14.01	2	FBM224 / FBM230 / FBM231 Compression PolyAmide TA

**Base Model:** P0926GH**FUNCTION:** Termination Assembly For FBM 224/230/231 Module Provides 4 DB25 Connectors For RS232C And 4 Compression Style Termination Assembly For RS422/RS485 With DIP Switches. Constructed Of PolyAmide.

Each List:	\$543.85	Total List:	\$1,087.70
Each Net:	\$489.47	Total Net:	\$978.94

ITEM	QTY	
14.02	2	FBM2xx Type 5 Hypalon Termination Cable, 3 Meters

**Base Model:** P0926GQ**FUNCTION:** 4 Channels Termination Cable, 3 Meters, 37Dsub To 25Dsub For Use On Serial Communication FBM2xx. Shielded Cable, Each Twisted Pair Is Shielded. Hypalon Outer Jacket, XLPE Insulation On Inner Wires.

Each List:	\$195.78	Total List:	\$391.56
Each Net:	\$176.20	Total Net:	\$352.40

ITEM	QTY	
15.00	1	Allen-Bradley DH + FDSI Driver

**Base Model:** Q0302BD**FUNCTION:** Custom Allen-Bradley Driver For FDSI And Driver Configurator. Requires Purchase Of S61 Code License For Operation. User's guides are available upon request by contacting the Foxboro email address: IPS I/A Series Device Integration.

Each List:	\$7,463.23	Total List:	\$7,463.23
Each Net:	\$6,716.91	Total Net:	\$6,716.91

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ITEM	QTY	
16.00	1	I/A Series Function Block SW License

**Base Model:** S61C2122200H

S61	<b>FUNCTION:</b> I/A Series Software License Entitling User To Use The Specified I/A Series Function Block Software Selections
C	<b>VERSION:</b> For Use On FCP270, ZCP270, Or Gateway FBM
2	<b>ANALOG INPUT QTY:</b> Up To 100 Analog Inputs
1	<b>ANALOG OUTPUT QTY:</b> Up To 50 Analog Outputs
2	<b>DIGITAL INPUT QTY:</b> Up To 100 Digital Inputs
2	<b>DIGITAL OUTPUT QTY:</b> Up To 100 Digital Outputs
2	<b>LICENSE TYPE:</b> Fault Tolerant Bi-Directional Gateway
0	<b>FUTURE OPTION:</b> Not Used
0	<b>FUTURE OPTION:</b> Not Used
H	<b>UPGRADES:</b> Adv. Discount for COM30(A) return

Each List:	\$2,172.94	Total List:	\$2,172.94
Each Net:	\$1,521.06	Total Net:	\$1,521.06

ITEM	QTY	
17.00	1	Site Services - IA OPC reinstall and test

**Base Model:** VAS-S-IA-SS**FUNCTION:** Applications engineering to re-implement and test OPC link

Each List:	\$6,720.00	Total List:	\$6,720.00
Each Net:	\$6,048.00	Total Net:	\$6,048.00

ITEM	QTY	
18.00	1	Site Services - IA AB DH+ configuration

**Base Model:** VAS-S-IA-SS**FUNCTION:** Applications engineering support to re-implement Allen-Bradley PLC in the FDSI environment

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Each List:	\$9,630.00	Total List:	\$9,630.00
Each Net:	\$8,667.00	Total Net:	\$8,667.00

ITEM	QTY	
19.00	1	Site Services - Report update and cleanup

**Base Model:** VAS-S-IA-SS**FUNCTION:** Applications engineering support to re-implement IA Reports

Each List:	\$7,820.00	Total List:	\$7,820.00
Each Net:	\$7,038.00	Total Net:	\$7,038.00

ITEM	QTY	
20.00	1	Advantage Program Services-IA

**Base Model:** VAS-S-IA-AP**FUNCTION:** Advantage Upgrade labor including upgrade planning

Each List:	\$27,152.00	Total List:	\$27,152.00
Each Net:	\$24,436.80	Total Net:	\$24,436.80

Quote List: \$205,455.13

Quote Net: \$165,672.35