



# Manistee County Board of Commissioners

Manistee County Courthouse • 415 Third Street • Manistee, Michigan 49660

CHAIRPERSON  
Jeffrey Dontz  
VICE-CHAIRPERSON  
Brook Shafer

Mark Bergstrom  
Karen Goodman  
Ken Hilliard  
Alan Marshall  
Richard Schmidt

CLERK

Jill Nowak  
(231) 723-3331

CONTROLLER/ADMINISTRATOR

Thomas Kaminski  
(231) 398-3504

## TECHNOLOGY/INFORMATION COMMITTEE MINUTES

Wednesday, October 19, 2016  
11:00 a.m.

Manistee County Courthouse & Government Center  
Board of Commissioners Meeting Room

### MINUTES

Members Present: Richard Schmidt, Chairperson and Mark Bergstrom

Members Absent: None.

Others Present: Gordon McLellan, Technology Department; Tom Kaminski, County Administrator/Controller; Julie Schmeling, Administrative Secretary; Bruce Schimke, Maintenance Supervisor; Jill M. Nowak, Manistee County Clerk

The meeting was called to Order at 11:00 a.m.

**NOTE- Items requiring Board Action are indicated in BOLD.**

### UPGRADE TELEPHONE SYSTEM AT SHERIFF'S OFFICE AND JAIL

Gordon McLellan, of the County's IT Department reviewed the upgrade of the Telephone System at the Sheriff's Office and Jail. Mr. McLellan explained that this project is a continuation of work with an existing company. It will include new phones, switches, licensing and 5-year tech support. The system will be the same system that it at the Courthouse and Government Center and MSU Extension. The quote (Appendix A) is from Millennia in the amount of \$32,405.37. This project has been budgeted in the FY 2016/17 budget and will be paid from the Technology Budget.

**Moved by Bergstrom, seconded by Schmidt to recommend the approval of the upgrade of the Telephone System at the Sheriff's Office and Jail and to approve the quotation from**

Millennia in the amount of \$32,405.37; to be paid from the Technology Budget. Ayes: All. Motion Carried.

### **SHERIFF'S OFFICE POWER AND DATA UPGRADES**

Mr. McLellan explained that the computer room at the Sheriff's Office is in an old janitor's closet and is no longer practical or safe for use. The electrical service needs to be upgraded as well as the network wiring. A proposal (Appendix B) was received from Paradigm Electric but this was only sufficient for budgeting purposes. Electrical bids will be gathered. Mr. Schimke has gotten bids for a Halon fire suppression system in the computer rooms as well. It was noted by Mr. Kaminski that two (2) grants have been applied for this project. This part of the project is tabled for proper bids to be received and possible grant awards.

### **RENEWAL AND UPGRADE OF BACKUP SYSTEM**

Mr. McLellan reviewed with the Committee the Quotation from Del (Appendix C) for the renewal and upgrade of a backup system and the continuation of licenses for two (2) current servers and an additional license for a new server. The quotation from Dell totals \$2,800 and is budgeted for FY 2016/17 and will be paid from the Technology Budget.

**Moved by Bergstrom, seconded by Schmidt to recommend the approval of the quotation from Dell for the renewal and upgrade of the backup system in the amount of \$2,800; to be paid from the Technology Budget. Ayes: All. Motion Carried.**

### **IT PROJECT BIDS**

Mr. McLellan received three (3) bids (Appendix D) for various equipment to be used to upgrade the Sheriff's computer room and augment IT equipment at the Courthouse and Sheriff's Office. TechCore submitted the lowest bid in the amount of \$38,039.27. This project has been budgeted in the FY 2016/17 budget. Graycon will be assisting Mr. McLellan with this project and that labor has been budgeted as well. Mr. McLellan recommends the approval of bid #22068 from TechCore in the amount of \$38,039.27; and will be paid from the Technology Budget.

**Moved by Bergstrom, seconded by Schmidt to recommend the approval of bid #22068 from TechCore to upgrade the Sheriff's Office computer room and augment IT equipment at the Courthouse and Sheriff's Office in the amount of \$38,039.27; to be paid from the Technology Budget. Ayes: All. Motion Carried.**

### **UPGRADE NETWORK FOR 385 AND 395 THIRD STREET BUILDINGS**

Mr. McLellan explained that the internet connection at the two (2) County Buildings, 385 and 395 Third Street, Manistee, is not sufficient now that there are tenants in there that need a

reliable connection. This project would install a wireless link between the East Annex of the Government Center and the AES Building. This upgrade will benefit any future offices that may be located in that building. Mr. McLellan received and recommends Quotation #6927 (Appendix E) from Casair Inc. in the amount of \$1,016.00 to install a wireless link. This project has been budgeted in the FY 2016/17 budget and will be paid from the Technology budget.

**Moved by Schmidt, seconded by Bergstrom to recommend the approval of Quotation #6927 from Casair Inc. to install a wireless link between the East Annex of the Government Center and the AES Building, in the amount of \$1,016.00; to be paid from the Technology Budget. Ayes: All. Motion Carried.**

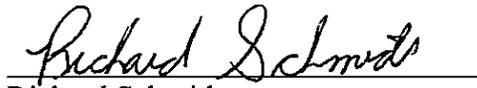
**OTHER ITEMS FROM COMMITTEE MEMBERS**

Jill Nowak reported that the Clerk's Office has had intermittent problems with the Deketo and Cherrylan Imaging system four (4) of the last five (5) work days and each afternoon right after lunchtime. The vendor and Mr. McLellan point fingers at each other and something need to be done. Mr. McLellan was asked to make this a priority.

The meeting was adjourned at the Call of the Chair at 12:02 p.m.



Mark Bergstrom



Richard Schmidt

# APPENDIX A



Millennia Technologies  
 1000 J Mile Rd NW  
 Grand Rapids, MI49503  
 United States  
 Main: 616-301-6387  
 FAX: 616-301-6387

Sales Quotation	
Quote Number:	50179-716342
Date:	9/30/2016
Proposal Expiration Date:	10/30/2016
Currency:	US Dollar
Payment Terms:	NET 30

Project description: Manistee County Revised - 480G's 09/30/2016

Prepared for: Tom Kaminski  
 County of Manistee  
 415 3RD ST  
 MANISTEE, MI49660  
 United States

Ship to: Ken Nelson  
 Millennia Technologies  
 1000 J Mile Rd NW  
 Grand Rapids, MI49503  
 United States  
 616-301-6387  
[ken@mvnlp.com](mailto:ken@mvnlp.com)

Item Number	Part Number	Description	Quantity	List Price	Discount	Net Price	Extended Price
1	10260	Voice Switch SG-90 - 1U half width. Max Capacities: 90 IP phones, 4 Analog exts, 8 LS trunks, 0 Universal ports. Requires one Tray (SKU 10223) for every two units. Made in USA.	1	\$2,995.00	\$449.25	\$2,545.75	\$2,545.75
2	10322	Voice Switch SG-T1k - 1U half width, Max Capacities: 1 T1, 0 IP phones, 0 Analog exts, 0 LS only trunks, 0 Universal ports. Digital trunk support only. Requires one Tray (SKU 10223) for every two units. (Requires ShoreTel 8 or later). Made in USA.	1	\$3,495.00	\$524.25	\$2,970.75	\$2,970.75
3	30044	Additional Site License	1	\$495.00	\$74.25	\$420.75	\$420.75
4	10496	IP Phone IP 480. Requires ShoreTel 14 or later	45	\$299.00	\$44.85	\$254.15	\$11,436.75
5	30035	Extension & Mailbox License	45	\$200.00	\$30.00	\$170.00	\$7,650.00
6	94151	Partner Support (5 Year, No Phones)	1	\$5,599.00	\$839.85	\$4,759.15	\$4,759.15
7		Architect and Deploy	1.0	\$2,140.00		\$2,140.00	\$2,140.00
8		Station User Training	1.0	\$300.00		\$300.00	\$300.00

Comments:

Subtotal:	\$32,223.15
Shipping:	\$182.22
<b>Total:</b>	<b>\$32,405.37</b>



# APPENDIX B Proposal

6513 POTTER RD  
BEAR LAKE, MI 49614  
231-383-1148

Date	Proposal #
5/9/2016	102

Name / Address
MANISTEE COUNTY BRUCE SCHIMKE 415 THIRD STREET MANISTEE, MI 49660

Project

Description	Qty	Total
Labor data drops	1	4,400.00
Materials data drops	25	1,000.00
Labor new sub panel	1	4,400.00
Materials sub panel feeder and conduit outlets in computer room	1	3,500.00
JOB: Computer room electrical updates		
<p>October technology: Sheriff Power and Data upgrades</p>		

Signature \_\_\_\_\_

**Total** \$13,300.00

Date: \_\_\_\_\_



# APPENDIX C

QUOTATION

Quote #: 734338854  
 Customer #: 007233501  
 Contract #:  
 Customer Agreement #:  
 Quote Date: 09/20/2016  
 Customer Name: COUNTY OF MANISTEE

Date: 09/20/2016

Thanks for choosing Dell! Your quote is detailed below; please review the quote for product and informational accuracy. If you find errors or desire certain changes please contact your sales professional as soon as possible.

### Sales Professional Information

SALES REP: ANNA BATCHELOR PHONE: 1800 - 7271100  
 Email Address: [jordon\\_demoss@dell.com](mailto:jordon_demoss@dell.com) Phone Ext: 65963

GROUP: 1 QUANTITY: 1 SYSTEM PRICE: \$1,000.00 GROUP TOTAL: \$1,000.00

Base Unit

- Dell Data Protection | Rapid Recovery Advanced Data Protection Software (225-3650) 1
- Thank you for Your Order (929-3709) 1
- Thank you for choosing Dell ProSupport. For software/solutions Tech Support call 877-459-7304 (932-0499) 1
- Dell Data Protection | Rapid Recovery, 24x7 Support, 1 Year (933-9276) 1
- Thank you for Your Order (935-6720) 1
- On-Site Installation Declined (900-9997) 1
- Dell Data Protection | Rapid Recovery Backup and Replication for Hyper-V (319-0736) 1
- Dell Data Protection | Rapid Recovery, 24x7 Support, Hyper V Server, Per License, 1 Year (933-9396) 1

\*Total Purchase Price: \$1,000.00  
 Product Subtotal: \$1,000.00  
 Tax: \$0.00  
 Shipping & Handling: \$0.00



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Gordon Mclellan  
COUNTY OF MANISTEE MI  
415 3rd St  
MANISTEE, MI 49660  
United States

9/16/2016

To Whom It May Concern:

Please find enclosed the Quotation/Invoice for renewal of maintenance services for your organization's licensed Dell Software products. I am your point of contact for maintenance renewals for your licensed Dell products, and I will be happy to assist you with this purchase.

Before proceeding to place your annual renewal order below, I would like to inform you that your organization is eligible for our Multi-year Maintenance Agreement option to further protect your software investments and control costs. With an active Multi-year Maintenance agreement you can ensure your licensed software stays current and continues to operate effectively by:

- Protecting your investment with long term, uninterrupted access to technical support, knowledge base of known solutions, new releases, bug fixes, and more.
- Achieving price protection by eliminating annual maintenance uplifts.
- Lowering your base maintenance cost with incremental discounts (that most software vendors do not offer!)
- Simplifying your maintenance renewal process, as well as reducing purchasing and administration for your business to a single planning and budgeting cycle.
- Help keep users productive with access to cross-platform software and technical support.

To continue with your annual maintenance renewal, Dell offers a variety of convenient ways to place your order:

1. Sign and fax the completed quote to me at the fax number listed below, or
2. Fax to me a purchase order matching the details listed on the attached quote, or
3. Return of an "Email Authorization to Invoice" - the template for which is below, or
4. Direct payment to Dell via check, wire transfer, or credit card.

To place your renewal order with an Email Authorization, simply return the following statement to me with the bracketed information filled in with the applicable details for your company:

"I, <name of authorized person>, <title>, authorize Dell to send <organization name> an invoice for Maintenance Services listed on Quote <quote number> covering the period <maintenance dates>, in the US dollar amount of <quote total> (including sales tax). Please send the invoice to the attention of: <contact name> Please send the invoice to the following address: <invoicing address>. My phone number is: <phone number>."

Your payment terms will be Net 30 from Dell processing date of the applicable invoice. If you choose to utilize the Email Authorization, please ensure that your Finance/Accounts Payable department will honor the invoice upon receipt.

In order to maintain uninterrupted Dell technical support and product upgrades, your maintenance renewal order must be received prior to the expiration of your current agreement. In order to help you expedite the renewal process, I would like to speak with you regarding this quotation as soon as possible. Please let me know when might be a convenient time for you to talk.

If you have any questions about the maintenance renewal, please feel free to contact me directly. My contact information is below.

Thanks in advance for your prompt attention to this matter.

Best Regards,  
Kristin Rutherford

Support Renewals Representative



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Quotation/Invoice

Licensee COUNTY OF MANISTEE MI

Date 9/16/2016

Attn:

Gordon McLellan  
Phone # +1(231) 794-1811  
gordon@dimension-x.net

Quote # 1-2LVNT7X Rev # 1  
Valid From 6/01/2016 Through 10/31/2016  
Sales Rep Kristin Rutherford  
Phone # +1(614) 726-4597 Fax # +1(614) 726-4070

Bill To  
COUNTY OF MANISTEE MI  
Gordon McLellan  
415 3rd St  
MANISTEE, MI 49660  
United States

Ship To  
COUNTY OF MANISTEE MI  
Gordon McLellan  
415 3rd St  
MANISTEE, MI 49660  
United States

End User  
COUNTY OF MANISTEE MI  
Gordon McLellan  
415 3rd St  
MANISTEE, MI 49660  
United States  
gordon@dimension-x.net

Line	Part #	Product	Qty	Net Price	Support From	To	H/W & # of CRUs	Extended Price
1	AAD-APP-PS-R-247	DELL DATA PROTECTION   RAPID RECOVERY FOR WINDOWS SERVER PER PHYSICAL SERVER 24X7 MAINTENANCE RENEWAL	2	\$300.00	10/31/2016	10/31/2017		\$600.00
2	AAH-APP-PS-R-247	DELL DATA PROTECTION   RAPID RECOVERY FOR XEN PER HOST 24X7 MAINTENANCE RENEWAL	2	\$600.00	10/31/2016	10/31/2017		\$1,200.00

Payment Terms: Net 30

Subtotal	\$1,800.00
Estimated Tax	\$0.00
<b>Total</b>	<b>\$1,800.00</b>



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Quotation/Invoice

Licensee COUNTY OF MANISTEE MI

Date 9/16/2016

Attn:

Gordon McLellan  
Phone # +1(231) 794-1811  
gordon@dimension-x.net

Quote # 1-2LVNT7X Rev # 1  
Valid From 6/01/2016 Through 10/31/2016  
Sales Rep Kristin Rutherford  
Phone # +1(514) 726-4597 Fax # +1(514) 726-4070

Accepted By : COUNTY OF MANISTEE MI

Authorized Signature

Name:

Title



**TechCore LLC**  
 8311 Brier Creek Parkway  
 Suite 105-122  
 Raleigh, North Carolina 27617  
 United States  
<http://www.techcoreonline.com>  
 (P) 919-890-3333  
 (F) 877-702-4319

# APPENDIX D

Quotation (Open)	
<b>Date</b> Oct 05, 2016 02:50 PM EDT	<b>Expiration Date</b> 2016-11-04
<b>Doc #</b> 22068 - rev 1 of 1	
<b>Description</b> None	
<b>SalesRep</b> Wilding, Mike (P) 919-890-3332 (F) 877-702-4319	
<b>Customer Contact</b> McLellan, Gordon (P) (231) 794-1811 gordon@dimension-x.net	

**Customer**  
 Manistee County (MC0065)  
 McLellan, Gordon  
 415 Third Street  
 Manistee, MI 49660  
 United States  
 (P) (231) 398-3500

**Bill To**  
 Manistee County  
 McLellan, Gordon  
 415 Third Street  
 Manistee, MI 49660  
 United States  
 (P) (231) 398-3500

**Ship To**  
 Manistee County  
 McLellan, Gordon  
 415 Third Street  
 Manistee, MI 49660  
 United States  
 (P) (231) 398-3500

<b>Customer PO:</b>	<b>Terms:</b> Undefined	<b>Ship Via:</b> UPS Ground
<b>Special Instructions:</b>		<b>Carrier Account #:</b>

#	Description	Part #	Qty	Unit Price	Total
1	HPE ProLiant DL380 Gen9 Base Server - rack-mountable - 2U - 2-way - 1 x Xeon E5-2620V3 / 2.4 GHz - RAM 16 GB - SAS - hot-swap 2.5" - no HDD - G200eH2 - GIGe - monitor: none	752687-B21	1	\$2,633.18	\$2,633.18
2	Hewlett Packard Enterprise - DL380 Gen9 ES 2620v3 Kit	719051-B21	1	\$531.53	\$531.53
3	Hewlett Packard Enterprise - 32GB 2Rx4 PC4-2133P-R Kit	728629-B21	8	\$344.52	\$2,756.16
4	Hewlett Packard Enterprise - HP 300GB 12G SAS 10K 2.5in SC ENT HDD	785067-B21	2	\$142.07	\$284.14
5	Hewlett Packard Enterprise - HP Ethernet 10Gb 2P 560SFP+ Adptr	665249-B21	2	\$486.27	\$972.54
6	Hewlett Packard Enterprise - HP DL380p Gen8 E5-2620v2 Kit	715221-B21	1	\$520.79	\$520.79
7	HPE Dual Port Enterprise Hard drive - 1.2 TB - 2.5" SFF - SAS 12Gb/s - 10000 rpm - for Modular Smart Array 1040 Dual Controller SFF Bundle, 1040 Dual Controller SFF Storage	J9F48A	24	\$444.71	\$10,673.04
8	Seagate Enterprise NAS HDD ST4000VN0001 Hard drive - 4 TB - internal - 3.5" - SATA 6Gb/s - 7200 rpm - buffer: 128 MB	ST4000VN0001	6	\$206.15	\$1,236.90
9	HPE 5406R 44GT PoE+ / 4SFP+ (No PSU) v3 z12 Switch Switch - managed - 44 x 10/100/1000 (PoE+) + 4 x 1 Gigabit / 10 Gigabit SFP+ - rack-mountable - PoE+	JL003A	1	\$4,383.33	\$4,383.33
10	HPE Power supply ( plug-in module ) - 700 Watt - United States - for HPE 5406R, 5406R z12, 5412R, 5412R z12	J9828A#ABA	1	\$507.70	\$507.70
11	Tripp Lite 48U Rack Enclosure Server Cabinet Doors & Sides 3000lb Capacity Rack enclosure cabinet - black - 48U - 19"	SR48UB	1	\$1,095.93	\$1,095.93
12	Tripp Lite PDU Metered 120V 20A 5-15/20R 36 Outlet L5-20P 72" Height OURM Power distribution unit ( rack-mountable ) - 20 A - AC 120 V - 1.9 kW - input: NEMA L5-20 - output connectors: 36 - 0U	PDUMV20-72	1	\$137.05	\$137.05

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Description	Part #	Qty	Unit Price	Total
13 Tripp Lite UPS Smart Online 2200VA 1800W Rackmount 120V LCD USB DB9 Preinstalled SNMPWEBCARD 2URM UPS ( rack-mountable ) - 16 A - AC 100/110/115/120/127 V - 1800 Watt - 2200 VA - Ethernet 10/100, RS-232, USB - output connectors: 7 - PFC - 2U - 19"	SU2200RTXLCDN	1	\$1,291.90	\$1,291.90
14 HPE 2530-48G-PoE+ Switch Switch - managed - 48 x 10/100/1000 (PoE+) + 4 x Gigabit SFP - desktop, rack- mountable, wall-mountable - PoE+	J9772A#ABA	4	\$1,819.20	\$7,276.80
15 HPE SFP (mini-GBIC) transceiver module - Gigabit Ethernet - 1000Base-SX - LC multi- mode - up to 1800 ft - for HPE 1700, 1810, 2610, 2810, 2910, 3500, 5406, 6120, 6200, 6600, Switch XL 10/100/1000	J4858C	8	\$129.41	\$1,035.28
16 Tripp Lite UPS Smart 1200VA 700W Rackmount Tower LCD AVR 120V USB DB9 RJ45 UPS - AC 120 V - 700 Watt - 1200 VA - output connectors: 8 - 2U	SMART1200LCD	6	\$175.99	\$1,055.94
17 HPE 2530-24G-PoE+ Switch Switch - managed - 24 x 10/100/1000 (PoE+) + 4 x Gigabit SFP - desktop, rack- mountable, wall-mountable - PoE+	J9773A#ABA	2	\$823.53	\$1,647.06

Shipping cost is included as well as the cost of Liftgate if needed.

Subtotal: \$38,039.27  
Shipping: \$0.00  
**Total: \$38,039.27**

These prices do NOT include applicable taxes, insurance, shipping, delivery, setup fees, or any cables or cabling services or material unless specifically listed above. All prices are subject to change without notice. Supply subject to availability. Quotations are subject to acceptance within 30 days, and we reserve the right to withdraw the quote at any time. Additional fees may apply with credit card transactions.

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MANISTEE COUNTY

2017 IT Project - Request Quotation  
5-Oct-16



Qty.	Mfg. P/N	Description	Price	Total
1	752687-B21	HEWLETT PACKARD ENTERPRISE : HP DL380 Gen9 E5-2620v3 Base WW Svr	\$ 4,241.29	\$ 4,241.29
1	719051-B21	HEWLETT PACKARD ENTERPRISE : HP DL380 Gen9 E5-2620v3 Kit - <i>Special pricing expires on 10/31/2016</i>	\$ 622.52	\$ 622.52
8	728629-B21	HEWLETT PACKARD ENTERPRISE : HP 32GB 2Rx4 PC4-2133P-R Kitl - <i>Special pricing expires on 10/31/2016</i>	\$ 488.07	\$ 3,904.56
2	785067-B21	HEWLETT PACKARD ENTERPRISE : HP 300GB 12G SAS 10K 2.5in SC ENT HDD - <i>Special pricing expires on 10/31/2016</i>	\$ 213.84	\$ 427.67
2	665249-B21	HEWLETT PACKARD ENTERPRISE : HP Ethernet 10Gb 2P 560SFP+ Adptr	\$ 762.32	\$ 1,524.64
1	715221-B21	HEWLETT PACKARD ENTERPRISE : HP DL380p Gen8 E5-2620v2 Kit	\$ 779.78	\$ 779.78
24	J9F48A	HEWLETT PACKARD ENTERPRISE : HP MSA 1.2TB 12G SAS 10K 2.5in ENT HDD - <i>Special pricing expires on 10/31/2016</i>	\$ 603.53	\$ 14,484.71
6	ST4000VN0001	SEAGATE : 4TB 3.5 7200RPM 128MB CACHE SATA ENT NAS	\$ 248.93	\$ 1,493.58
1	JL003A	HEWLETT PACKARD ENTERPRISE : HP 5406R 44GT PoE+ / 4SFP+ v3 z12 Swch	\$ 5,252.00	\$ 5,252.00
1	J9828A#ABA	HEWLETT PACKARD ENTERPRISE : HP 5400R 700W PoE+ z12 Power Supply US e	\$ 554.41	\$ 554.41
1	SR48UB	TRIPP LITE : Tripp Lite 48U Rack Enclosure Server Cabinet Doors & Sides 3000lb Capacity	\$ 1,267.19	\$ 1,267.19
1	PDUMV20-72	TRIPP LITE : PDU Metered 120V 20A 5-15/20R 36 Outlet 15-20P 72in Height OURM	\$ 162.42	\$ 162.42
1	SU2200RTXLCDN	TRIPP LITE : 2200VA 1800W UPS Smart Online 120V w Installed SNMPWEBCARD 2URM	\$ 1,603.35	\$ 1,603.35
4	J9772A#ABA	HEWLETT PACKARD ENTERPRISE : HP 2530-48G-PoE+ Switch	\$ 1,986.59	\$ 7,946.35
8	J4858C	HEWLETT PACKARD ENTERPRISE : ProCurve Gigabit SX-LC Mini-GBIC	\$ 225.75	\$ 1,806.02
6	SMART1200LCD	TRIPP LITE : Smart LCD 1200VA 2U Rack/Tower Line-Interactive 120V UPS with LCD display, USB & serial ports	\$ 208.84	\$ 1,253.01
2	J9773A#ABA	HEWLETT PACKARD ENTERPRISE : HP 2530-24G-PoE+ Switch	\$ 1,040.82	\$ 2,081.65
1	N/A	Freight	\$ 200.00	\$ 200.00
<b>TOTAL</b>			<b>\$ 49,605.15</b>	

TERMS:

1/2 Down payment is required at time of equipment order. Remainder of payment is due when all of the equipment has been received by Manistee County.

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**QUOTE CONFIRMATION**

DEAR GORDON MCLELLAN,

Thank you for considering CDW\*G for your computing needs. The details of your quote are below. [Click here](#) to convert your quote to an order.

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
HLGQ455	10/12/2016	2017 IT RFQ	9246059	\$44,059.25

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
HPE ProLiant DL380 Gen8 Base - Xeon E5-2620V3 2.4 GHz - 16 GB - 0 GB Mfg. Part#: 752687-B21 UNSPSC: 43211501 Sheriff Hyper-V Host Server: Contract: MARKET	1	3465521	\$2,972.09	\$2,972.09
HPE Xeon E5-2620v3 Processor Mfg. Part#: 719051-B21 UNSPSC: 43201503 Sheriff Hyper-V Host Server: Contract: MARKET	1	3465400	\$540.76	\$540.76
HPE DIMM 288-pin 32 GB DDR4 SDRAM Mfg. Part#: 728629-B21 UNSPSC: 43201402 Sheriff Hyper-V Host Server: Contract: MARKET	8	3672444	\$418.91	\$3,351.28
HPE Enterprise - hard drive - 300 GB - SAS 12Gb/s Mfg. Part#: 785067-B21 UNSPSC: 43201803 Sheriff Hyper-V Host Server: Contract: MARKET	2	3619762	\$179.39	\$358.78
HPE E605FP - PCI Express 2.0 Network Adapter Mfg. Part#: 665249-B21 UNSPSC: 43201404 Sheriff Hyper-V Host Server: Contract: MARKET	2	2816999	\$552.73	\$1,105.46
Intel Xeon E5-2620V2 / 2.1 GHz processor Mfg. Part#: 715221-B21 UNSPSC: 43201503 Upgrade parts for existing Sheriff server: Contract: MARKET	1	3132932	\$656.29	\$656.29
HPE Dual Port Enterprise - hard drive - 1.2 TB - SAS 12Gb/s Mfg. Part#: J9F48A UNSPSC: 43201803 Additional equipment for Sheriff and Courthouse: Contract: MARKET	24	3680742	\$507.34	\$12,176.16

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Seagate Enterprise NAS HDD 4 TB Internal HDD	6	3555199	\$206.89	\$1,241.34
Mfg. Part#: ST4000VN0001 UNSPSC: 43201803 Additional equipment for Sheriff and Courthouse: Contract: MARKET				
HPE 5405R 44GT Pro+ / 45FP+ (No PSU) v2 v12 Switch - switch - 44 ports - mg	1	3700181	\$5,158.93	\$5,158.93
Mfg. Part#: JLD03A UNSPSC: 43222612 Additional equipment for Sheriff and Courthouse: Contract: MARKET				
HPE - power supply - 700 Watt	1	3397419	\$534.05	\$534.05
Mfg. Part#: J9B2BA#ABA UNSPSC: 39121004 Additional equipment for Sheriff and Courthouse: Contract: MARKET				
Tripp Lite 45U Rack Enclosure Server Cabinet 3000lb Capacity	1	1525725	\$999.11	\$999.11
Mfg. Part#: SR48UB UNSPSC: 24102001 Additional equipment for Sheriff and Courthouse: Contract: MARKET				
Tripp Lite PDU Metered 120V 20A 8-15/20R 36 Outlet L5-20P 72" Height 0URM	1	3642333	\$132.37	\$132.37
Mfg. Part#: PDUMV20-72 UNSPSC: 39121017 Additional equipment for Sheriff and Courthouse: Contract: MARKET				
Tripp Lite 2200VA 1800W UPS Smart Online 120V w Installed BATTERIES CABD 2U5M	1	4086352	\$1,306.62	\$1,306.62
Mfg. Part#: SU2200RTXLCDN UNSPSC: 39121011 Additional equipment for Sheriff and Courthouse: Contract: MARKET				
HPE 2530-48G-PrE+ Switch - switch - 48 ports - managed - desktop, rack-mount	4	2901547	\$1,905.98	\$7,623.92
Mfg. Part#: J9772A#ABA UNSPSC: 43222612 Additional equipment for Sheriff and Courthouse: Contract: MARKET				
HPE SR X121 SFP LC SX Transceiver	6	1278321	\$182.12	\$1,456.96
Mfg. Part#: J485BC UNSPSC: 43201553 Additional equipment for Sheriff and Courthouse: Contract: MARKET				
Tripp Lite 1200VA 700W UPS Smart Rackmount Tower LCD AVR 120V USB DR9 RJ45	6	915844	\$170.34	\$1,022.04
Mfg. Part#: SMART1200LCD UNSPSC: 39121011 Additional equipment for Sheriff and Courthouse: Contract: MARKET				

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<b>QUOTATION BY CDW (CDW)</b>				
HP 2530-246-BoE+ 24-Port Gigabit Ethernet Switch	2	2504524	\$986.82	51,973.64
Mfg. Part#: J9773A#ABA				
UNSPSC: 43222612				
Contract: MARKET				

<b>PURCHASER BILLING INFO</b>		<b>SUBTOTAL</b>	\$42,609.80
<b>Billing Address:</b> GORDON MCLELLAN MANISTEE COUNTY ADMIN OFFICE 415 3RD ST MANISTEE, MI 49660-1624 Phone: (231) 398-3585 <b>Payment Terms:</b> Request Terms		<b>SHIPPING</b>	\$1,449.45
		<b>GRAND TOTAL</b>	\$44,059.25
<b>DELIVER TO</b>		<b>Please remit payments to:</b>	
<b>Shipping Address:</b> MANISTEE COUNTY ADMIN OFFICE GORDON MCLELLAN 415 3RD ST MANISTEE, MI 49660-1624 <b>Shipping Method:</b> CEVA Deferred, 3-5 Days		CDW Government 75 Remittance Drive Suite 1515 Chicago, IL 60675-1515	

<b>Need Assistance? CDW'S SALES CONTACT INFORMATION</b>			
	Sean Bergquist	(877) 325-3761	seanber@cdwg.com

This quote is subject to CDW's Terms and Conditions of Sales and Service Projects at  
 For more information, contact a CDW account manager.  
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# APPENDIX E

Casair, Inc

617 E. Lake Street, Stanton, MI 48888-8902

Telephone 989-831-8800 Fax 989-831-5555

<http://www.casair.net>

## Quotation

Attn: Gordan McLellan  
For: Manistee County  
415 Third Street  
Manistee, MI 49660

Quote No. 6927  
Date: September 1, 2016  
Page: 1

Quantity	Description	Unit Cost	Total
	<b>Scope of Work:</b> Casair will install and configure a Ubiquiti PBE-5AC-300 wireless link  <b>Equipment included:</b> <ul style="list-style-type: none"><li>• Ubiquiti PBE-5AC-300 link</li><li>• Mounting bracket</li><li>• Outdoor rated cable and RJ45 connectors</li></ul>		
	<b>Total</b>		<b>\$1,016.00</b>

*Quote Pending For 30 Days. - Price May be Subject to Applicable Sales Tax*

Delivery: ASAP

Accepted By: \_\_\_\_\_

Terms: Net 15

Date: \_\_\_\_\_

FOB: Casair, Inc.

By: \_\_\_\_\_  
Josh White