

**TO:** Thomas Thomas, City Manager

**Number:** CY15-010

**SUBJECT:** New Police Station Computer Networking

**Date:** 07/20/2015

---

The Information Technology Department has collected bids from several companies for the computer networking equipment that will be required at the new police station. PCM-G has provided proposals for both the Hewlett Packard networking switching equipment, and the Meraki wireless networking equipment that are the lowest priced based on the configuration. The proposals along with technical specifications are attached for your review.

**Recommendation:**

The Information Technology Department recommends that the City Council authorize the City Manager to purchase and pay PC Mall-Gov, Inc. \$48,982.28 for the Hewlett Packard network equipment, and Meraki wireless network equipment through requisition number R005572.

**Vendor:** 12863 PC Mall Gov, Inc.

**Payment Amount:** \$48,982.28

**Account Chargeable:**

**Fund:** 301 Capital Improvements

**Division/Cost Center:** 256081- Information Technology

**Object Class:** 56402 - Communications Equipment

**Project Number:** 5392 - Police/RMS

**Requisition Number:** R005572

**Submitted by:** Timothy Bain, IT Director

---

**APPROVED:** Thomas Thomas, City Manager



PCMG, Inc.

14120 Newbrook Drive, Suite 100 - Chantilly, VA 20151

Duns #: 12-936-5420

Tax ID #: 33-0964088

PRICE QUOTATION

ACCOUNT MANAGER

Peter Blackburn

T: (800) 625-5468 x38057

F: (310) 630-6557

[peter.blackburn@pcmg.com](mailto:peter.blackburn@pcmg.com)

BILL TO

CITY OF ROCK ISLAND

ACCOUNTS PAYABLE

1528 3RD AVENUE

ROCK ISLAND, IL 61201

309-732-2000

QUOTE TOTAL: \$36,372.10

QUOTE NO: S9183002

ATTN: TIM BAIN

ACCOUNT NO: 127748382

PROJECT/REF: HP PD

QUOTE DATE: 17-Jul-15

QUOTE EXPIRES: 6-Aug-15

LN	QTY	MFR	PCMG NO.	MFR NO.	DESCRIPTION	CONTRACT	QUOTE PRICE	EXT. PRICE
1	6	HP NET	9773252	J9836A#ABA	2920-48G-POE+ 740W SWITCH		\$2,357.00	\$14,142.00
2	5	HP NET	9516614	J9733A	2920 2-PT STACKING MODULE		\$524.00	\$2,620.00
3	3	HP NET	9530134	J9731A	HP 2920 2-PORT 10GBE SFP+ MODULE		\$514.00	\$1,542.00
4	3	HP NET	9604964	J9734A	HP 2920 0.5M STACKING CABLE		\$76.70	\$230.10
5	12	HP NET	7745618	J9150A	PROCURVE 10-GBE SFP+ SR TRANS LTD		\$343.00	\$4,116.00
6	1	HP NET	13487332	J9823A	HP 5406R-GIG-T-POE+/SFP+ V2 ZL2 SWCH		\$4,069.00	\$4,069.00
7	2	HP NET	13373287	J9828A#ABA	5400R 700W POE+ ZL2 POWER SUPPLY US		\$414.00	\$828.00
8	1	HP NET	13281554	J9827A	5400R ZL2 MANAGEMENT MODULE		\$1,296.00	\$1,296.00
9	2	HP NET	8242186	J9534A	24PT GIG-T POE+ V2-ZL MOD		\$1,837.00	\$3,674.00
10	2	HP NET	7745619	J9151A	PROCURVE 10-GBE SFP+ LR TRANSCEIVER LTD		\$918.00	\$1,836.00
11	1	HP NET	8240430	J9637A	12PT GIG-T/ 12PT-SFP V2 ZL MOD		\$2,019.00	\$2,019.00

VIA: UPS GROUND

DELIVER TO: ROCK ISLAND, IL 61201

SUBTOTAL: \$36,372.10

TAX: \$0.00

FREIGHT: \$0.00

TOTAL: \$36,372.10

ORDERING INSTRUCTIONS / SPECIAL NOTES

Please make your purchase order out to 'PCMG, Inc.' (i.e. not 'PCM', 'PC Mall', or 'Macmall').

P.O. must include the quote number (i.e. S123456), part numbers, a signature, and payment terms (Net 30).

Please \*e-mail\* (peter.blackburn@pcmg.com) or Fax 310-630-6557

Software licenses: purchase orders must include an \*e-mail address\* and an end-user name, or order may be delayed.

PLEASE REMIT PAYMENT TO:

PCMG, Inc.

File 55327

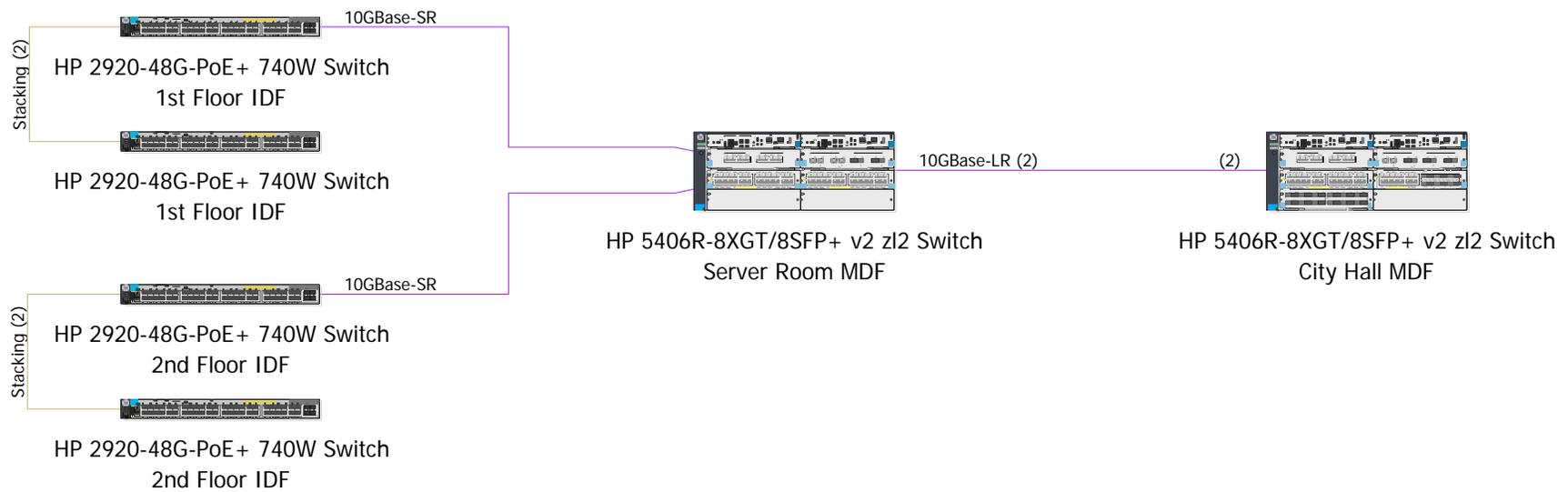
Los Angeles, CA 90074-5327

Prices are subject to change without notice.



# Block Diagram

<b>Site</b> Police Station - 5400R IDF	
<b>System Name</b> City of Rock Island HPN Solution 071415 v1.1	
<b>Date</b> Jul 14, 2015	<b>Page</b> 1 of 12



# MR18

Dual-radio 2x2 MIMO 802.11n access point with third radio dedicated to RF and security



## Dual-band cloud-managed wireless LAN

The Cisco Meraki MR18 is an industry-first three-radio, cloud managed 2x2 MIMO 802.11n access point designed for deployments in offices, schools, hospitals, hotels, and large retail stores. The MR18 features dual-concurrent, dual-band operation and advanced 802.11n technologies such as MIMO and beam forming, delivering the high throughput and reliable coverage required by demanding business applications like voice and video. Not only does the MR18 provide speeds of up to 600 Mbps with two concurrent 2x2:2 MIMO radios, but also delivers unprecedented security and spectrum visibility via a third radio dedicated to 24x7 WIDS/WIPS and advanced RF analytics.

### MR18 and Meraki Cloud Management: A Powerful Combo

The MR18 is managed via the Meraki cloud, with an intuitive browser-based interface that lets you get up and running quickly without training or certifications. Since the MR18 is self-configuring and managed over the web, it can even be deployed at a remote location without on-site IT staff.

The MR18 is monitored 24x7 via the cloud, which delivers real-time alerts if your network encounters problems. Remote diagnostics tools enable real-time troubleshooting over the web, meaning multi-site, distributed networks can be managed remotely.

The MR18's firmware is always kept up to date from the cloud. New features, bug fixes, and enhancements are delivered seamlessly over the web, meaning no manual software updates to download or missing security patches to worry about.

### Product Highlights

- Dual-concurrent 802.11n radios
- Up to 600 Mbps combined data rate
- 24x7 real-time WIPS/WIDS and spectrum analytics via dedicated third radio\*
- Enhanced transmit power and receive sensitivity
- Self-healing, zero-configuration mesh
- Integrated enterprise security and guest access
- Application-aware traffic shaping
- Self-configuring, plug-and-play deployment
- Sleek, low profile design blends into office environments
- Optimized for voice and video