



Schedule "A"

Brecksville Broadview Heights City School District
Ruckus Ethernet Switching Architecture

Revised 3/6/2018
#012918-01MC2

- 8 Ruckus 7150 -24PF Gigabit switches
- 47 Ruckus 7150-48PF Gigabit switches
- 11 Ruckus 7150-48ZP Gigabit switches
- 9 Ruckus 7150-48ZP Gigabit switches with dual power supplies and fans
- 4 Ruckus 7650-48F-E2 Switches with dual power supplies and fans

Note: Please see submitted Itemized spreadsheet for a complete list of parts and software under this contract
Note: RFP specifications dated January 2018 are an integral part of this contract

- Lifetime Manufacturer's warranty on all Ruckus part numbers
- 10 years of software licensing on all Ruckus part numbers
- 3 year TTx support for continued operations of the network hardware
- Professional services for delivery, installation and configuration of propose network switches .

Purchase Price: \$258,054.58

TTx Spin number 1430009873
FRN number 180010977



Brecksville Broadview Heights City School District
Ruckus Ethernet Switching Architecture
Revised 3/6/2018
#012918-01MC2

This Agreement is made between Teletronics, Inc. and Customer as listed below.

CUSTOMER ADDRESS
Brecksville Broadview City Schools
6638 Mill Road
Brecksville, Ohio 44141

In consideration of the mutual agreements contained herein, TSI agrees to sell to Customer, and Customer agrees to purchase from TSI, the telephone and other equipment set forth on the Schedules (the Equipment) on the following terms and conditions.

PURCHASE PRICE AND PAYMENT TERMS:

The Purchase Price of the Equipment, excluding applicable taxes is: \$ 258,054.58

Customer agrees to pay for the Equipment as follows:

40% of Purchase Price on July 2, 2018	<u>\$ 103,221.83</u>
50% of Purchase Price at system delivery	<u>\$ 129,027.29</u>
10% of Purchase price within 10 days of cutover	<u>\$ 25,805.46</u>

The Purchase Price of the Equipment shall be subject to adjustment in the event of any mutually agreeable changes made to Schedule "A", including the addition or deletion of items of Equipment and any specifications, attachments, or features. Additionally, all applicable taxes will be included in each billing.

TELETRONICS, INC.

Brecksville Broadview Heights City Schools

(Authorized Signature)

(Authorized Signature)

(Title)

(Title)

(Date)

(Date)

Additional terms and conditions included on the following pages are an integral part of this agreement.



TERMS AND CONDITIONS – Sales and Service AGREEMENT

1. GUARANTEE

In consideration of the terms and conditions set forth herein and in the purchase order to be issued pursuant hereto, TTx Teletronics will deliver a fully functioning network solution programmed and configured to CLIENT' specifications as requested and designed in coordination with CLIENT representatives and the TTx Teletronics project team.

2. DELIVERY AND INSTALLATION

TTx Teletronics shall deliver and install the equipment required to install the Ruckus equipment (the "Equipment") on the Customer's premises at the installation addresses. TTx Teletronics shall use its best efforts to complete the installation by the agreed date specified in the RFP dated January 2018, subject to mutually agreeable changes confirmed by TTx Teletronics in writing. The term "Cut over Date" shall mean the date on which the customer is notified in writing by TTx Teletronics that the Equipment is installed and is functioning so as to be substantially providing the basic service for which the Equipment is intended. *Minor Omission* or variances in performance of the Equipment, which do not materially affect the operation of the system as a whole, shall not affect or postpone the Cut over Date.

Minor Omission shall be defined as:

Components (either software or hardware) that represent modifications to the original schedule of equipment and/or scope of work and impact a small number of individual users.

3. TITLE TO EQUIPMENT: SECURITY INTEREST; RISK OF LOSS

Customer shall acquire title to the Equipment, including all additions thereto, upon payment in full of the Purchase Price, plus all applicable taxes, to TTx Teletronics. As long as any part of the Purchase Price due remains outstanding, title to the Equipment shall remain with TTx Teletronics, and TTx Teletronics shall retain a security interest in the Equipment until all amounts due are paid in full.

TTx Teletronics shall bear the risk of loss of, or damage to the Equipment: (a) while it is in transit to Customer's premises; and (b) while at the Premise until Cut over Date except for loss or damage caused by Customer's negligence, or from improper storage of the Equipment, or storage in areas accessible to unauthorized persons. After the Cut over Date, all risk of loss of, or damage to, the Equipment shall be borne by Customer notwithstanding TTx Teletronics' retention of title as provided above.

4. CONDITIONS FOR INSTALLATION: ACCESS

Customer shall make available a place in the Premises for installation of the Equipment that meets certain environmental and other specifications including, without limitation, those specifications set forth on any Schedule to be provided by TTx Teletronics. Customer shall also permit or arrange for access to the Premise for TTx Teletronics' installation and maintenance personnel, and shall provide a suitable protected area for storage of the Equipment pending its installation. Customer shall supply all supplemental equipment required for the installation such as, without limitation, conduits, commercial power, wiring, dedicated equipment room, A/C outlets and appropriate access to it.

5. WARRANTY

The manufacturer (Ruckus) warrants the Equipment against *defective parts* for 10 years after the Cutover Date. Upon written notification of a defect, TTx Teletronics shall have the option to repair or replace the defective part of the Equipment, and such repair or replacement shall be Customer's sole and exclusive remedy. All replaced parts will become the property of TTx Teletronics. In addition, for a period of 3 years after the Cut over Date, TTx Teletronics shall perform, free of charge, all necessary maintenance to keep the Equipment in good working condition and repair, including the furnishing of all necessary labor and materials. Ruckus proprietary hardware replacement will be delivered by TTx. TTX TELETRONICS FURNISHES THIS WARRANTY IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ANY AND ALL WARRANTIES SHALL BE VOID AS TO THE EQUIPMENT DAMAGED OR RENDERED UNSERVICEABLE BY NEGLIGENCE OF NON-TTX TELETRONICS PERSONNEL, MISUSE, THEFT, VANDALISM, FIRE, WATER, OR OTHER PERIL, OR MOVING REPAIR, RELOCATION OR ALTERATION OF THE EQUIPMENT NOT AUTHORIZED BY TTX TELETRONICS. TTX TELETRONICS SHALL NOT BE LIABLE FOR ANY DAMAGES INCIDENTAL, CONSEQUENTIAL OR OTHERWISE, OR COMMERCIAL LOSS FROM ANY CAUSES, NOR FOR NEGLIGENCE OF TTX TELETRONICS EMPLOYEES. TTX TELETRONICS LIABILITY IS LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS. BOTH PARTIES ALSO AGREE THAT PREMIUM CHARGES ARE EXTENDED TO THIS WARRANTY FOR SERVICE PERFORMED BEYOND NORMAL WORKING HOURS (BETWEEN 5:00 P.M. AND 8:00 A.M.) AT THE THEN PREVAILING RATES.

Defective part:

A Ruckus hardware component with a specific non-functioning element that in its repair will restore the component to full functionality (i.e. a Ruckus switch or module replacement returning a Ruckus switch to full functionality)



6. DEFAULT

If Customer breaches any provision of this Agreement, including, without limitation, its payment obligation, Customer shall be in default hereunder, and all unpaid amounts shall at TTx Teletronics option, become immediately due and payable. Upon Customer's default, TTx Teletronics shall have all the rights and remedies of a secured party under the Uniform Commercial Code, and any other applicable laws. TTx Teletronics shall be entitled to recover reasonable attorney's fees and costs of collection associated with enforcing its rights hereunder.

7. SEVERABILITY

In the event of invalidity of any portion of this Agreement, the parties agree that such invalidity shall not affect the validity of the remaining portions of this Agreement, and TTx Teletronics and Customer agrees to substitute for the invalid provision, a valid provision which must closely approximate the economic effect and intent of the invalid provision.

8. LIABILITY FOR INJURY OR DAMAGE

TTx Teletronics, Inc. shall not be liable for any loss or injury to customer's personnel, agents, employees, assigns, customers or lessees, or loss or damage to customer's property arising from the service provided hereunder or the use of equipment maintained by TTx Teletronics, Inc., or for any damages caused by delay in rendering performance hereunder, or in any event for consequential damages.

9. SERVICES PROVIDED:

Repair service telephone numbers are manned 24 hours per day, every day of the year. Service is normally provided between the hours of 8:00 am and 4:30 pm, Monday through Friday. In emergency situations, service will be provided at any time of the day or night, every day of the year. An overtime labor rate will be charged for service required beyond normal service hours.

Services Occasioned By Normal Wear and Tear: TTx Teletronics, Inc. will provide all parts and labor necessary to keep the equipment in good working order for the consideration specified on the face of their agreement under the heading PAYMENT.

Services Occasioned By Other Than Normal Wear and Tear: TTx Teletronics, Inc will provide service, including labor, replacement parts and equipment at the Company's then prevailing rates when service is occasioned by other than normal wear and tear. Such occasions include, but are not limited to, catastrophic occurrences, destruction of equipment to a degree rendering it non-usable, fault or negligence of customer, its agents, employees, assignees, customers, or lessees; or by occurrences, external to the equipment such as, but not limited to, power failure or fluctuation, air-conditioning failure or overloading of equipment beyond the capacities recommended by TTx Teletronics, Inc at the time of installation.

Normal wear and tear:

When a device, as result of standard operation, fails to operate properly in part or whole.

10. RENEWAL

On the first and subsequent anniversary dates for support (after 3 years of initial support), TTx Teletronics Inc will offer a support agreement for a one year term. Increases in the payment amounts will be restricted to adjustments for equipment additions and inflationary increases associated with supporting Ruckus deployed equipment. TTx Teletronics Inc will provide a minimum of 90 days notification in writing of any charge increases.

11. MOVEMENT OF SYSTEM.

Customer may exercise the privilege of moving the equipment while maintaining service coverage under this agreement, provided such move is within the service area of TTx Teletronics Inc. If movement is beyond the boundary, this agreement terminates without obligation of refund or liability to either party thereunder. Customer shall give TTx Teletronics Inc 90 days written notice of intent to move the equipment within the above boundaries at TTx Teletronics Inc's current installation charge. Shipping must be arranged and paid for by customer.

12. RESPONSIBILITIES OF TTX TELETRONICS, INC

- (a) TTx Teletronics Inc will prepare an inventory listing the customer equipment and associated devices which will be covered under this service contract.
- (b) Under normal conditions, TTx Teletronics Inc will keep the equipment listed on this inventory in good operating condition and shall provide remedial maintenance outlined by factory recommendations when the equipment is inoperative.
- (c) TTx Teletronics Inc will provide parts necessary to repair the equipment when needed.
- (d) TTx Teletronics Inc can provide support service in the event of disaster or emergency service.



13. RESPONSIBILITIES OF CUSTOMER

- (a) Customer will maintain the room in which the equipment is located in a clean and appropriate fashion which includes adequate lighting, full accessibility to all equipment, adequate power outlets, etc.
- (b) Customer will provide space at or near the equipment for storage of miscellaneous piece, parts and drawings.
- (c) Customer will not permit its agents, employees or third parties to attempt any repairs, maintenance, additions, deletions or any changes whatsoever while the equipment is covered by this Agreement unless a waiver signed by both parties is executed.
- (d) If system not originally installed by TTx Teletronics Inc, customer will provide drawing, sketch or plan of the layout of its facility indicating the location of the equipment and the location of the various components in the district.
- (f) Customer will designate a responsible individual and one alternate as the customer contact for service coordination.
- (g) Customer will not couple this equipment to any apparatus not approved by TTx Teletronics Inc
- (h) To provide clean, stable, uninterrupted AC power.
- (i) Customer provided and installed equipment will not be supported by TTx with this solution- TTx Teletronics is not responsible for these network devices but will work along appropriate CLIENT resources to integrate the two solutions, until acceptance of project.

14. FORCE MAJEURE.

Performance by either party of any obligation required of it hereunder (except payment obligations) will be excused if prevented by Acts of God, or public enemy, lightning strike, commercial power outage, war, riot, embargo, fire, explosion, sabotage, flood, accident; or without limiting the foregoing, any circumstances of like or different character beyond its reasonable control; or interruption of, or delay in transportation, shortage or failure of supply of raw materials or finished merchandise; labor trouble from whatever cause arising or compliance with any order, direction or request from any government officer, department or agency.

15. GENERAL

This instrument constitutes the entire Agreement between the parties hereto and there are no understandings, representations or warranties of any kind, expressed or implied, not expressly set forth herein.

This agreement is subject to acceptance by TTx Teletronics Inc. 22550 Ascoa Ct, Strongsville, OH 44149 and when so accepted shall be binding upon both parties governed by the laws of the State of Ohio.

No modification of the Agreement shall be effective unless made in writing and signed by duly authorized representatives of the parties. None of the provisions herein shall be deemed waived because of previous failure to insist upon strict performance thereof.

The forgoing terms and conditions shall prevail notwithstanding any variance with the terms and conditions of any order submitted by Customer for equipment sold by TTx Teletronics Inc.

16. ENTIRE AGREEMENT

This Agreement represents the entire agreement between TTx Teletronics and Customer with respect to the sales and installation of the Equipment on Customer's Premises, and supersedes any prior agreement and negotiations between the parties. This Agreement shall be governed by and construed in accordance with the laws of the State of Ohio. No modification of this Agreement shall be effective unless made in writing and signed by duly authorized representatives of the parties. None of the provisions herein shall be deemed waived because of previous failure to insist upon strict performance thereof. TTx Teletronics and Customer each represent that they have the power and authority to enter into this Agreement and that this agreement constitutes a valid and binding obligation of each party.

17. ASSIGNMENT. This Agreement may not be assigned without the prior written consent of TTx Teletronics Inc.

TTx Teletronics, Inc.

Brecksville-Broadview Heights City Schools

(Authorized Signature)

(Authorized Signature)

Title

Title

Date

Date



TTX SPIN NUMBER 1430009873

FRN NUMBER 180010977



**BRECKSVILLE-BROADVIEW HTS.
CITY SCHOOL DISTRICT**

"where fine education is a heritage"

Building	Closet	Qty	P/N	Description	BBHHS Sell per		BBHHS Extended		Eratable	Not Eratable
					MSRP	MSRP Extended	unit	sell		
CITE	250	2	ICX7650-48F-E2 AF	48-PRT(24X1/10G, 24XG) SFP BUNDLE 2PSU,intake airflow, back to front airflow	\$17,000	\$ 34,000.00	\$ 5,346.43	\$ 10,692.86	\$ 10,692.86	
CITE	250	2	ICX7650-SVL-RMT-3	ESSENTIAL REMOTE SUPPORT, ICX 7650	\$1,238	\$ 2,475.00	\$ 1,621.62	\$ 3,243.24		\$ 3,243.24
CITE	250	2	E100G-QSFP-QSFP-P-0101	100GE Passive Direct Attached QSFP-28 to QSFP-28 Active Copper cable, 1m, 1-pack	\$445	\$ 890.00	\$ 151.61	\$ 303.23	\$ 303.23	
CITE	250	2	ICX7650-2X40GQ	ICX 7650 2-port 40GbE QSFP+ Module	\$2,000	\$ 4,000.00	\$ 681.41	\$ 1,362.82	\$ 1,362.82	
CITE	250	4	10G-SFPP-LR	10GBASE-LR, SFP+ optic (LC), for up to 10km over SMF	\$ 2,745.00	\$ 10,980.00	\$ 719.41	\$ 2,877.64	\$ 2,877.64	
CITE	250	3	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 14,250.00	\$ 1,680.59	\$ 5,041.76	\$ 5,041.76	
CITE	250	3	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 450.00	\$ 58.97	\$ 176.90	\$ 176.90	
CITE	250	2	10G-SFPP-TWX-0301	DIRECT ATTACHED SFPP ACTIVE COPPER,3M,1-PACK	\$ 210.00	\$ 420.00	\$ 82.56	\$ 165.11	\$ 165.11	
CITE	250	2	E1MG-LX-OM	1000Base-LX SFP optic, SMF, LC connector, Optical Monitoring Capable	\$1,100	\$ 2,200.00	\$ 288.29	\$ 576.58	\$ 576.58	
MS	219B	2	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 15,800.00	\$ 2,277.48	\$ 4,554.95	\$ 4,554.95	
MS	219B	2	RPS20-E	POWER SUPPLY FOR ICX7150-48ZP	\$ 1,500.00	\$ 3,000.00	\$ 432.43	\$ 864.86	\$ 864.86	
MS	219B	2	ICX-FAN11	FAN FRU FOR ICX7150-48ZP	\$ 250.00	\$ 500.00	\$ 72.07	\$ 144.14	\$ 144.14	
MS	219B	9	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 42,750.00	\$ 1,680.59	\$ 15,125.29	\$ 15,125.29	
MS	219B	9	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 1,350.00	\$ 58.97	\$ 530.71	\$ 530.71	
MS	219B	2	10G-SFPP-TWX-0301	DIRECT ATTACHED SFPP ACTIVE COPPER,3M,1-PACK	\$ 210.00	\$ 420.00	\$ 82.56	\$ 165.11	\$ 165.11	
MS	219B	2	10G-SFPP-SR-8	10GBASE-SR,SFPP MMF LC CONNECTOR 8-PACK	\$ 5,160.00	\$ 10,320.00	\$ 1,352.33	\$ 2,704.67	\$ 2,704.67	
Athletic		1	ICX7150-24P-4X10GR-RMT	ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 370W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 2,850.00	\$ 2,850.00	\$ 1,008.35	\$ 1,008.35	\$ 1,008.35	
Athletic		2	E1MG-SX-OM	1000Base-SX SFP optic, MMF, LC connector, Optical Monitoring Capable	\$ 525.00	\$ 1,050.00	\$ 137.59	\$ 275.18	\$ 275.18	
MS	music	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
MS	Music	2	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 9,500.00	\$ 1,680.59	\$ 3,361.18	\$ 3,361.18	
MS	Music	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$ 58.97	\$ 117.94	\$ 117.94	
MS	Music	1	10G-SFPP-TWX-0301	DIRECT ATTACHED SFPP ACTIVE COPPER,3M,1-PACK	\$ 210.00	\$ 210.00	\$ 82.56	\$ 82.56	\$ 82.56	
MS	Gym	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
MS	Gym	1	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 4,750.00	\$ 1,680.59	\$ 1,680.59	\$ 1,680.59	
MS	Gym	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$ 58.97	\$ 117.94	\$ 117.94	
Highland	MDF-S	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
Highland	MDF-S	1	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 4,750.00	\$ 1,680.59	\$ 1,680.59	\$ 1,680.59	
Highland	MDF-S	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$ 58.97	\$ 117.94	\$ 117.94	
Highland	MDF-S	8	E1MG-SX-OM	1000Base-SX SFP optic, MMF, LC connector, Optical Monitoring Capable	\$ 525.00	\$ 4,200.00	\$ 137.59	\$ 1,100.74	\$ 1,100.74	
Highland	MDF-S	2	10G-SFPP-LRM	10GBASE-LRM SFP+ optic (LC), for up to 220m over MMF	\$ 1,495.00	\$ 2,990.00	\$ 391.81	\$ 783.62	\$ 783.62	
Highland	MDF-S	2	10G-SFPP-LRM-1-ADP	10GBASE-LRM SFP+ optic (LC), for up to 220m over MMF, 1-pack with LRM Adapter for ICX7150, ICX7250 and ICX7750	\$ 1,795.00	\$ 3,590.00	\$ 470.43	\$ 940.87	\$ 940.87	
Highland	IDF-Mid	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
Highland	IDF-Mid	1	RPS20-E	POWER SUPPLY FOR ICX7150-48ZP	\$ 1,500.00	\$ 1,500.00	\$ 432.43	\$ 432.43	\$ 432.43	
Highland	IDF-Mid	1	ICX-FAN11	FAN FRU FOR ICX7150-48ZP	\$ 250.00	\$ 250.00	\$ 72.07	\$ 72.07	\$ 72.07	
Highland	IDF-Mid	2	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 9,500.00	\$ 1,680.59	\$ 3,361.18	\$ 3,361.18	
Highland	IDF-Mid	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$ 58.97	\$ 117.94	\$ 117.94	
Highland	IDF-Mid	4	10G-SFPP-LRM	10GBASE-LRM SFP+ optic (LC), for up to 220m over MMF	\$ 1,495.00	\$ 5,980.00	\$ 391.81	\$ 1,567.24	\$ 1,567.24	



TTX SPIN NUMBER 1430009873

FRN NUMBER 180010977



**BRECKSVILLE-BROADVIEW HTS.
CITY SCHOOL DISTRICT**

"where fine education is a heritage"

Building	Closet	Qty	P/N	Description	MSRP	MSRP Extended	BBHS Sell per unit	BBHS Extended sell	Eratable	Not Eratable
Highland	IDF-Mid	4	10G-SFPP-LRM-1-ADP	10GBASE-LRM SFP+ optic (LC), for up to 220m over MMF, 1-pack with LRM Adapter for ICX7150, ICX7250 and ICX7750	\$ 1,795.00	\$ 7,180.00	\$ 470.43	\$ 1,881.73	\$ 1,881.73	
Highland	IDF-North	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
Highland	IDF-North	1	ICX7150-24P-4X10GR-RMT	ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 370W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 2,850.00	\$ 2,850.00	\$ 1,008.35	\$ 1,008.35	\$ 1,008.35	
Highland	IDF-North	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$ 39.31	\$ 78.62	\$ 78.62	
Highland	IDF-North	2	10G-SFPP-LRM	10GBASE-LRM SFP+ optic (LC), for up to 220m over MMF	\$ 1,495.00	\$ 2,990.00	\$ 391.81	\$ 783.62	\$ 783.62	
Highland	IDF-North	2	10G-SFPP-LRM-1-ADP	10GBASE-LRM SFP+ optic (LC), for up to 220m over MMF, 1-pack with LRM Adapter for ICX7150, ICX7250 and ICX7750	\$ 1,795.00	\$ 3,590.00	\$ 470.43	\$ 940.87	\$ 940.87	
Central	104a	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
Central	104a	1	RPS20-E	POWER SUPPLY FOR ICX7150-48ZP	\$ 1,500.00	\$ 1,500.00	\$ 432.43	\$ 432.43	\$ 432.43	
Central	104a	1	ICX-FAN11	FAN FRU FOR ICX7150-48ZP	\$ 250.00	\$ 250.00	\$ 72.07	\$ 72.07	\$ 72.07	
Central	104a	6	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 28,500.00	\$ 1,680.59	\$ 10,083.53	\$ 10,083.53	
Central	104a	5	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 750.00	\$ 58.97	\$ 294.84	\$ 294.84	
Central	104a	1	10G-SFPP-TWX-0301	DIRECT ATTACHED SFPP ACTIVE COPPER,3M,1-PACK	\$ 210.00	\$ 210.00	\$ 82.56	\$ 82.56	\$ 82.56	
Central	104a	2	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 1,980.00	\$ 259.46	\$ 518.92	\$ 518.92	
Chippewa	MDF	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
Chippewa	MDF	1	RPS20-E	POWER SUPPLY FOR ICX7150-48ZP	\$ 1,500.00	\$ 1,500.00	\$ 432.43	\$ 432.43	\$ 432.43	
Chippewa	MDF	1	ICX-FAN11	FAN FRU FOR ICX7150-48ZP	\$ 250.00	\$ 250.00	\$ 72.07	\$ 72.07	\$ 72.07	
Chippewa	MDF	3	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 14,250.00	\$ 1,680.59	\$ 5,041.76	\$ 5,041.76	
Chippewa	MDF	1	ICX7150-24P-4X10GR-RMT	ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 370W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 2,850.00	\$ 2,850.00	\$ 1,008.35	\$ 1,008.35	\$ 1,008.35	
Chippewa	MDF	3	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 450.00	\$ 58.97	\$ 176.90	\$ 176.90	
Chippewa	MDF	4	10G-SFPP-LRM	10GBASE-LRM SFP+ optic (LC), for up to 220m over MMF	\$ 1,495.00	\$ 5,980.00	\$ 391.81	\$ 1,567.24	\$ 1,567.24	
Chippewa	MDF	4	10G-SFPP-LRM-1-ADP	10GBASE-LRM SFP+ optic (LC), for up to 220m over MMF, 1-pack with LRM Adapter for ICX7150, ICX7250 and ICX7750	\$ 1,795.00	\$ 7,180.00	\$ 470.43	\$ 1,881.73	\$ 1,881.73	
Hilton	MDF	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
Hilton	MDF	1	RPS20-E	POWER SUPPLY FOR ICX7150-48ZP	\$ 1,500.00	\$ 1,500.00	\$ 432.43	\$ 432.43	\$ 432.43	
Hilton	MDF	1	ICX-FAN11	FAN FRU FOR ICX7150-48ZP	\$ 250.00	\$ 250.00	\$ 72.07	\$ 72.07	\$ 72.07	
Hilton	MDF	3	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 14,250.00	\$ 1,680.59	\$ 5,041.76	\$ 5,041.76	
Hilton	MDF	3	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 450.00	\$ 58.97	\$ 176.90	\$ 176.90	
Hilton	MDF	1	10G-SFPP-TWX-0301	DIRECT ATTACHED SFPP ACTIVE COPPER,3M,1-PACK	\$ 210.00	\$ 210.00	\$ 82.56	\$ 82.56	\$ 82.56	
Hilton	MDF	4	10G-SFPP-LR	10GBASE-LR, SFP+ optic (LC), for up to 10km over SMF	\$ 2,745.00	\$ 10,980.00	\$ 719.41	\$ 2,877.64	\$ 2,877.64	
EdCenter	MDF	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48		\$ 2,277.48
EdCenter	MDF	1	RPS20-E	POWER SUPPLY FOR ICX7150-48ZP	\$ 1,500.00	\$ 1,500.00	\$ 432.43	\$ 432.43		\$ 432.43
EdCenter	MDF	1	ICX-FAN11	FAN FRU FOR ICX7150-48ZP	\$ 250.00	\$ 250.00	\$ 72.07	\$ 72.07		\$ 72.07
EdCenter	MDF	1	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 4,750.00	\$ 1,680.59	\$ 1,680.59		\$ 1,680.59
EdCenter	MDF	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$ 58.97	\$ 117.94		\$ 117.94
EdCenter	MDF	4	10G-SFPP-LR	10GBASE-LR, SFP+ optic (LC), for up to 10km over SMF	\$ 2,745.00	\$ 10,980.00	\$ 719.41	\$ 2,877.64		\$ 2,877.64
HS	Tech	1	ICX7150-24P-4X10GR-RMT	ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 370W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 2,850.00	\$ 2,850.00	\$ 1,008.35	\$ 1,008.35		\$ 1,008.35
HS	Tech	4	10G-SFPP-LR	10GBASE-LR, SFP+ optic (LC), for up to 10km over SMF	\$ 2,745.00	\$ 10,980.00	\$ 719.41	\$ 2,877.64		\$ 2,877.64
HS	MDF 139D	2	ICX7650-48F-E2	48-PRT(24X1/10G, 24XG) SFP BUNDLE 2PSU	\$17,000	\$ 34,000.00	\$ 5,346.43	\$ 10,692.86		\$ 10,692.86
HS	MDF 139D	2	ICX7650-SVL-RMT-3	ESSENTIAL REMOTE SUPPORT, ICX 7650	\$1,238	\$ 2,475.00	\$ 1,621.62	\$ 3,243.24		\$ 3,243.24
HS	MDF 139D	2	E100G-QSFP-QSFP-P-0101	100GE Passive Direct Attached QSFP-28 to QSFP-28 Active Copper cable, 1m, 1-pack	\$445	\$ 890.00	\$ 151.61	\$ 303.23		\$ 303.23



TTX SPIN NUMBER 1430009873

FRN NUMBER 180010977



**BRECKSVILLE-BROADVIEW HTS.
CITY SCHOOL DISTRICT**

"where fine education is a heritage"

Building	Closet	Qty	P/N	Description	MSRP		BBHHS Sell per unit		BBHHS Extended sell		Eratable	Not Eratable
HS	MDF 139D	2	ICX7650-2X40GQ	ICX 7650 2-port 40GbE QSFP+ Module	\$ 2,000.00	\$ 4,000.00			\$ 681.41	\$ 1,362.82	\$ 1,362.82	
HS	MDF 139D	4	10G-SFPP-LR	10GBASE-LR, SFP+ optic (LC), for up to 10km over SMF	\$ 2,745.00	\$ 10,980.00			\$ 719.41	\$ 2,877.64	\$ 2,877.64	
HS	MDF 139D	3	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 14,250.00			\$ 1,680.59	\$ 5,041.76	\$ 5,041.76	
HS	MDF 139D	3	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 450.00			\$ 58.97	\$ 176.90	\$ 176.90	
HS	MDF 139D	2	10G-SFPP-TWX-0501	DIRECT ATTACHED SFPP ACTIVE COPPER,5M,1-PACK	\$ 260.00	\$ 520.00			\$ 102.21	\$ 204.42	\$ 204.42	
HS	IDF2C	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00			\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
MS	IDF2C	1	RPS20-E	POWER SUPPLY FOR ICX7150-48ZP	\$ 1,500.00	\$ 1,500.00			\$ 432.43	\$ 432.43	\$ 432.43	
MS	IDF2C	1	ICX-FAN11	FAN FRU FOR ICX7150-48ZP	\$ 250.00	\$ 250.00			\$ 72.07	\$ 72.07	\$ 72.07	
HS	IDF2C	3	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 14,250.00			\$ 1,680.59	\$ 5,041.76	\$ 5,041.76	
HS	IDF2C	4	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 600.00			\$ 58.97	\$ 235.87	\$ 235.87	
HS	IDF2C	4	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 3,960.00			\$ 259.46	\$ 1,037.84	\$ 1,037.84	
HS	IDF1A	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00			\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
MS	IDF 1A	1	RPS20-E	POWER SUPPLY FOR ICX7150-48ZP	\$ 1,500.00	\$ 1,500.00			\$ 432.43	\$ 432.43	\$ 432.43	
MS	IDF 1A	1	ICX-FAN11	FAN FRU FOR ICX7150-48ZP	\$ 250.00	\$ 250.00			\$ 72.07	\$ 72.07	\$ 72.07	
HS	IDF1A	1	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 4,750.00			\$ 1,680.59	\$ 1,680.59	\$ 1,680.59	
HS	IDF1A	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00			\$ 58.97	\$ 117.94	\$ 117.94	
HS	IDF1A	4	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 3,960.00			\$ 259.46	\$ 1,037.84	\$ 1,037.84	
HS	IDF1B	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00			\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
HS	IDF1B	1	ICX7150-24P-4X10GR-RMT	ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 370W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 2,850.00	\$ 2,850.00			\$ 1,008.35	\$ 1,008.35	\$ 1,008.35	
HS	IDF1B	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00			\$ 58.97	\$ 117.94	\$ 117.94	
HS	IDF1B	4	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 3,960.00			\$ 259.46	\$ 1,037.84	\$ 1,037.84	
HS	IDF1C	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00			\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
HS	IDF1C	1	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 4,750.00			\$ 1,680.59	\$ 1,680.59	\$ 1,680.59	
HS	IDF1C	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00			\$ 58.97	\$ 117.94	\$ 117.94	
HS	IDF1C	4	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 3,960.00			\$ 259.46	\$ 1,037.84	\$ 1,037.84	
HS	IDF1D	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00			\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
HS	IDF1D	1	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 4,750.00			\$ 1,680.59	\$ 1,680.59	\$ 1,680.59	
HS	IDF1D	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00			\$ 58.97	\$ 117.94	\$ 117.94	
HS	IDF1D	8	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 7,920.00			\$ 259.46	\$ 2,075.67	\$ 2,075.67	
HS	IDF1E	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00			\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
HS	IDF1E	2	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 9,500.00			\$ 1,680.59	\$ 3,361.18	\$ 3,361.18	
HS	IDF1E	3	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 450.00			\$ 58.97	\$ 176.90	\$ 176.90	
HS	IDF1E	4	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 3,960.00			\$ 259.46	\$ 1,037.84	\$ 1,037.84	
HS	IDF2D	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00			\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
HS	IDF2D	3	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 14,250.00			\$ 1,680.59	\$ 5,041.76	\$ 5,041.76	
HS	IDF2D	3	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 450.00			\$ 58.97	\$ 176.90	\$ 176.90	
HS	IDF2D	1	10G-SFPP-TWX-0301	DIRECT ATTACHED SFPP ACTIVE COPPER,3M,1-PACK	\$ 210.00	\$ 210.00			\$ 82.56	\$ 82.56	\$ 82.56	



TTX SPIN NUMBER 1430009873

FRN NUMBER 180010977



**BRECKSVILLE-BROADVIEW HTS.
CITY SCHOOL DISTRICT**

"where fine education is a heritage"

Building	Closet	Qty	P/N	Description	MSRP	MSRP Extended	BBHHS Sell per	BBHHS Extended	Eratable	Not Eratable
							unit	sell		
HS	IDF2D	4	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 3,960.00	\$ 259.46	\$ 1,037.84	\$ 1,037.84	
HS	IDF1F	1	ICX7150-48ZP-E8X10GR-RMT	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
HS	IDF1F	1	ICX7150-24P-4X10GR-RMT	ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 370W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 2,850.00	\$ 2,850.00	\$ 1,008.35	\$ 1,008.35	\$ 1,008.35	
HS	IDF1F	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$ 58.97	\$ 117.94	\$ 117.94	
HS	IDF1F	4	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 3,960.00	\$ 259.46	\$ 1,037.84	\$ 1,037.84	
HS	IDF3D	1	ICX7150-48ZP-E8X10GR-RMT	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
HS	IDF3D	1	ICX7150-24P-4X10GR-RMT	ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 370W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 2,850.00	\$ 2,850.00	\$ 1,008.35	\$ 1,008.35	\$ 1,008.35	
HS	IDF3D	1	ICX7150-48PF-4X10GR-RMT	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 4,750.00	\$ 1,680.59	\$ 1,680.59	\$ 1,680.59	
HS	IDF3D	4	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 3,960.00	\$ 259.46	\$ 1,037.84	\$ 1,037.84	
HS	IDF3D	3	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 450.00	\$ 58.97	\$ 176.90	\$ 176.90	
Maint		1	ICX7150-48PF-4X10GR-RMT	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 4,750.00	\$ 1,680.59	\$ 1,680.59	\$ 1,680.59	
Maint		1	ICX7150-24P-4X10GR-RMT	ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 370W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 2,850.00	\$ 2,850.00	\$ 1,008.35	\$ 1,008.35	\$ 1,008.35	
Maint		2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$ 58.97	\$ 117.94	\$ 117.94	
All		82	3M-OM4	3 meter OM4 Duplex 40GB 50/125 MultiMode Fiber Patch Cable	\$ 19.32	\$ 1,584.24	\$ 18.08	\$ 1,482.85	\$ 1,482.85	
ALL		6	9M-SM	9 meter 9/125 Single Mode Fiber Patch Cable	\$ 21.32	\$ 127.92	\$ 19.96	\$ 119.73	\$ 119.73	
ALL		18	3M-SM	3 meter 9/125 Single Mode Fiber Patch Cable	\$ 15.32	\$ 275.76	\$ 14.34	\$ 258.11	\$ 258.11	
				Freight and Shipping						

Subtotal Equipment	\$ 669,897.92	\$ 215,039.58	\$ 201,094.96	\$ 13,944.62
			\$ -	
			\$ -	
Subtotal Professional services		\$ 43,015.00	\$ 41,618.30	\$ 1,396.70
			\$ -	
			\$ -	
Total Cost		\$ 258,054.58	\$ 242,713.26	\$ 15,341.32



TTX SPIN NUMBER 1430009873

FRN NUMBER 180010977



**BRECKSVILLE-BROADVIEW HTS.
CITY SCHOOL DISTRICT**

"where fine education is a heritage"

Building	Closet	Qty	P/N	Description	BBHHS Sell per		BBHHS Extended		Eratable	Not Eratable
					MSRP	MSRP Extended	unit	sell		
CITE	250	2	ICX7650-48F-E2 AF	48-PRT(24X1/10G, 24XG) SFP BUNDLE 2PSU,intake airflow, back to front airflow	\$17,000	\$ 34,000.00	\$	5,346.43	\$ 10,692.86	\$ 10,692.86
CITE	250	2	ICX7650-SVL-RMT-3	ESSENTIAL REMOTE SUPPORT, ICX 7650	\$1,238	\$ 2,475.00	\$	1,621.62	\$ 3,243.24	\$ 3,243.24
CITE	250	2	E100G-QSFP-QSFP-P-0101	100GE Passive Direct Attached QSFP-28 to QSFP-28 Active Copper cable, 1m, 1-pack	\$445	\$ 890.00	\$	151.61	\$ 303.23	\$ 303.23
CITE	250	2	ICX7650-2X40GQ	ICX 7650 2-port 40GbE QSFP+ Module	\$2,000	\$ 4,000.00	\$	681.41	\$ 1,362.82	\$ 1,362.82
CITE	250	4	10G-SFPP-LR	10GBASE-LR, SFP+ optic (LC), for up to 10km over SMF	\$ 2,745.00	\$ 10,980.00	\$	719.41	\$ 2,877.64	\$ 2,877.64
CITE	250	3	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 14,250.00	\$	1,680.59	\$ 5,041.76	\$ 5,041.76
CITE	250	3	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 450.00	\$	58.97	\$ 176.90	\$ 176.90
CITE	250	2	10G-SFPP-TWX-0301	DIRECT ATTACHED SFPP ACTIVE COPPER,3M,1-PACK	\$ 210.00	\$ 420.00	\$	82.56	\$ 165.11	\$ 165.11
CITE	250	2	E1MG-LX-OM	1000Base-LX SFP optic, SMF, LC connector, Optical Monitoring Capable	\$1,100	\$ 2,200.00	\$	288.29	\$ 576.58	\$ 576.58
MS	219B	2	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 15,800.00	\$	2,277.48	\$ 4,554.95	\$ 4,554.95
MS	219B	2	RPS20-E	POWER SUPPLY FOR ICX7150-48ZP	\$ 1,500.00	\$ 3,000.00	\$	432.43	\$ 864.86	\$ 864.86
MS	219B	2	ICX-FAN11	FAN FRU FOR ICX7150-48ZP	\$ 250.00	\$ 500.00	\$	72.07	\$ 144.14	\$ 144.14
MS	219B	9	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 42,750.00	\$	1,680.59	\$ 15,125.29	\$ 15,125.29
MS	219B	9	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 1,350.00	\$	58.97	\$ 530.71	\$ 530.71
MS	219B	2	10G-SFPP-TWX-0301	DIRECT ATTACHED SFPP ACTIVE COPPER,3M,1-PACK	\$ 210.00	\$ 420.00	\$	82.56	\$ 165.11	\$ 165.11
MS	219B	2	10G-SFPP-SR-8	10GBASE-SR,SFPP MMF LC CONNECTOR 8-PACK	\$ 5,160.00	\$ 10,320.00	\$	1,352.33	\$ 2,704.67	\$ 2,704.67
Athletic		1	ICX7150-24P-4X10GR-RMT	ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 370W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 2,850.00	\$ 2,850.00	\$	1,008.35	\$ 1,008.35	\$ 1,008.35
Athletic		2	E1MG-SX-OM	1000Base-SX SFP optic, MMF, LC connector, Optical Monitoring Capable	\$ 525.00	\$ 1,050.00	\$	137.59	\$ 275.18	\$ 275.18
MS	music	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$	2,277.48	\$ 2,277.48	\$ 2,277.48
MS	Music	2	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 9,500.00	\$	1,680.59	\$ 3,361.18	\$ 3,361.18
MS	Music	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$	58.97	\$ 117.94	\$ 117.94
MS	Music	1	10G-SFPP-TWX-0301	DIRECT ATTACHED SFPP ACTIVE COPPER,3M,1-PACK	\$ 210.00	\$ 210.00	\$	82.56	\$ 82.56	\$ 82.56
MS	Gym	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$	2,277.48	\$ 2,277.48	\$ 2,277.48
MS	Gym	1	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 4,750.00	\$	1,680.59	\$ 1,680.59	\$ 1,680.59
MS	Gym	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$	58.97	\$ 117.94	\$ 117.94
Highland	MDF-S	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$	2,277.48	\$ 2,277.48	\$ 2,277.48
Highland	MDF-S	1	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 4,750.00	\$	1,680.59	\$ 1,680.59	\$ 1,680.59
Highland	MDF-S	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$	58.97	\$ 117.94	\$ 117.94
Highland	MDF-S	8	E1MG-SX-OM	1000Base-SX SFP optic, MMF, LC connector, Optical Monitoring Capable	\$ 525.00	\$ 4,200.00	\$	137.59	\$ 1,100.74	\$ 1,100.74
Highland	MDF-S	2	10G-SFPP-LRM	10GBASE-LRM SFP+ optic (LC), for up to 220m over MMF	\$ 1,495.00	\$ 2,990.00	\$	391.81	\$ 783.62	\$ 783.62
Highland	MDF-S	2	10G-SFPP-LRM-1-ADP	10GBASE-LRM SFP+ optic (LC), for up to 220m over MMF, 1-pack with LRM Adapter for ICX7150, ICX7250 and ICX7750	\$ 1,795.00	\$ 3,590.00	\$	470.43	\$ 940.87	\$ 940.87
Highland	IDF-Mid	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$	2,277.48	\$ 2,277.48	\$ 2,277.48
Highland	IDF-Mid	1	RPS20-E	POWER SUPPLY FOR ICX7150-48ZP	\$ 1,500.00	\$ 1,500.00	\$	432.43	\$ 432.43	\$ 432.43
Highland	IDF-Mid	1	ICX-FAN11	FAN FRU FOR ICX7150-48ZP	\$ 250.00	\$ 250.00	\$	72.07	\$ 72.07	\$ 72.07
Highland	IDF-Mid	2	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 9,500.00	\$	1,680.59	\$ 3,361.18	\$ 3,361.18
Highland	IDF-Mid	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$	58.97	\$ 117.94	\$ 117.94
Highland	IDF-Mid	4	10G-SFPP-LRM	10GBASE-LRM SFP+ optic (LC), for up to 220m over MMF	\$ 1,495.00	\$ 5,980.00	\$	391.81	\$ 1,567.24	\$ 1,567.24



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Building	Closet	Qty	P/N	Description	MSRP	MSRP Extended	BBHHS Sell per	BBHHS Extended	Eratable	Not Eratable
							unit	sell		
Highland	IDF-Mid	4	10G-SFPP-LRM-1-ADP	10GBASE-LRM SFP+ optic (LC), for up to 220m over MMF, 1-pack with LRM Adapter for ICX7150, ICX7250 and ICX7750	\$ 1,795.00	\$ 7,180.00	\$ 470.43	\$ 1,881.73	\$ 1,881.73	
Highland	IDF-North	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
Highland	IDF-North	1	ICX7150-24P-4X10GR-RMT	ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 370W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 2,850.00	\$ 2,850.00	\$ 1,008.35	\$ 1,008.35	\$ 1,008.35	
Highland	IDF-North	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$ 39.31	\$ 78.62	\$ 78.62	
Highland	IDF-North	2	10G-SFPP-LRM	10GBASE-LRM SFP+ optic (LC), for up to 220m over MMF	\$ 1,495.00	\$ 2,990.00	\$ 391.81	\$ 783.62	\$ 783.62	
Highland	IDF-North	2	10G-SFPP-LRM-1-ADP	10GBASE-LRM SFP+ optic (LC), for up to 220m over MMF, 1-pack with LRM Adapter for ICX7150, ICX7250 and ICX7750	\$ 1,795.00	\$ 3,590.00	\$ 470.43	\$ 940.87	\$ 940.87	
Central	104a	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
Central	104a	1	RPS20-E	POWER SUPPLY FOR ICX7150-48ZP	\$ 1,500.00	\$ 1,500.00	\$ 432.43	\$ 432.43	\$ 432.43	
Central	104a	1	ICX-FAN11	FAN FRU FOR ICX7150-48ZP	\$ 250.00	\$ 250.00	\$ 72.07	\$ 72.07	\$ 72.07	
Central	104a	6	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 28,500.00	\$ 1,680.59	\$ 10,083.53	\$ 10,083.53	
Central	104a	5	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 750.00	\$ 58.97	\$ 294.84	\$ 294.84	
Central	104a	1	10G-SFPP-TWX-0301	DIRECT ATTACHED SFPP ACTIVE COPPER,3M,1-PACK	\$ 210.00	\$ 210.00	\$ 82.56	\$ 82.56	\$ 82.56	
Central	104a	2	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 1,980.00	\$ 259.46	\$ 518.92	\$ 518.92	
Chippewa	MDF	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
Chippewa	MDF	1	RPS20-E	POWER SUPPLY FOR ICX7150-48ZP	\$ 1,500.00	\$ 1,500.00	\$ 432.43	\$ 432.43	\$ 432.43	
Chippewa	MDF	1	ICX-FAN11	FAN FRU FOR ICX7150-48ZP	\$ 250.00	\$ 250.00	\$ 72.07	\$ 72.07	\$ 72.07	
Chippewa	MDF	3	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 14,250.00	\$ 1,680.59	\$ 5,041.76	\$ 5,041.76	
Chippewa	MDF	1	ICX7150-24P-4X10GR-RMT	ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 370W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 2,850.00	\$ 2,850.00	\$ 1,008.35	\$ 1,008.35	\$ 1,008.35	
Chippewa	MDF	3	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 450.00	\$ 58.97	\$ 176.90	\$ 176.90	
Chippewa	MDF	4	10G-SFPP-LRM	10GBASE-LRM SFP+ optic (LC), for up to 220m over MMF	\$ 1,495.00	\$ 5,980.00	\$ 391.81	\$ 1,567.24	\$ 1,567.24	
Chippewa	MDF	4	10G-SFPP-LRM-1-ADP	10GBASE-LRM SFP+ optic (LC), for up to 220m over MMF, 1-pack with LRM Adapter for ICX7150, ICX7250 and ICX7750	\$ 1,795.00	\$ 7,180.00	\$ 470.43	\$ 1,881.73	\$ 1,881.73	
Hilton	MDF	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
Hilton	MDF	1	RPS20-E	POWER SUPPLY FOR ICX7150-48ZP	\$ 1,500.00	\$ 1,500.00	\$ 432.43	\$ 432.43	\$ 432.43	
Hilton	MDF	1	ICX-FAN11	FAN FRU FOR ICX7150-48ZP	\$ 250.00	\$ 250.00	\$ 72.07	\$ 72.07	\$ 72.07	
Hilton	MDF	3	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 14,250.00	\$ 1,680.59	\$ 5,041.76	\$ 5,041.76	
Hilton	MDF	3	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 450.00	\$ 58.97	\$ 176.90	\$ 176.90	
Hilton	MDF	1	10G-SFPP-TWX-0301	DIRECT ATTACHED SFPP ACTIVE COPPER,3M,1-PACK	\$ 210.00	\$ 210.00	\$ 82.56	\$ 82.56	\$ 82.56	
Hilton	MDF	4	10G-SFPP-LR	10GBASE-LR, SFP+ optic (LC), for up to 10km over SMF	\$ 2,745.00	\$ 10,980.00	\$ 719.41	\$ 2,877.64	\$ 2,877.64	
EdCenter	MDF	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48		\$ 2,277.48
EdCenter	MDF	1	RPS20-E	POWER SUPPLY FOR ICX7150-48ZP	\$ 1,500.00	\$ 1,500.00	\$ 432.43	\$ 432.43		\$ 432.43
EdCenter	MDF	1	ICX-FAN11	FAN FRU FOR ICX7150-48ZP	\$ 250.00	\$ 250.00	\$ 72.07	\$ 72.07		\$ 72.07
EdCenter	MDF	1	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 4,750.00	\$ 1,680.59	\$ 1,680.59		\$ 1,680.59
EdCenter	MDF	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$ 58.97	\$ 117.94		\$ 117.94
EdCenter	MDF	4	10G-SFPP-LR	10GBASE-LR, SFP+ optic (LC), for up to 10km over SMF	\$ 2,745.00	\$ 10,980.00	\$ 719.41	\$ 2,877.64		\$ 2,877.64
HS	Tech	1	ICX7150-24P-4X10GR-RMT	ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 370W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 2,850.00	\$ 2,850.00	\$ 1,008.35	\$ 1,008.35		\$ 1,008.35
HS	Tech	4	10G-SFPP-LR	10GBASE-LR, SFP+ optic (LC), for up to 10km over SMF	\$ 2,745.00	\$ 10,980.00	\$ 719.41	\$ 2,877.64		\$ 2,877.64
HS	MDF 139D	2	ICX7650-48F-E2	48-PRT(24X1/10G, 24XG) SFP BUNDLE 2PSU	\$17,000	\$ 34,000.00	\$ 5,346.43	\$ 10,692.86	\$ 10,692.86	
HS	MDF 139D	2	ICX7650-SVL-RMT-3	ESSENTIAL REMOTE SUPPORT, ICX 7650	\$1,238	\$ 2,475.00	\$ 1,621.62	\$ 3,243.24		\$ 3,243.24
HS	MDF 139D	2	E100G-QSFP-QSFP-P-0101	100GE Passive Direct Attached QSFP-28 to QSFP-28 Active Copper cable, 1m, 1-pack	\$445	\$ 890.00	\$ 151.61	\$ 303.23	\$ 303.23	



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Building	Closet	Qty	P/N	Description	MSRP		BBHHS Sell per unit		BBHHS Extended sell		Eratable	Not Eratable
					MSRP	MSRP Extended						
HS	MDF 139D	2	ICX7650-2X40GQ	ICX 7650 2-port 40GbE QSFP+ Module	\$ 2,000.00	\$ 4,000.00	\$ 681.41	\$ 1,362.82	\$ 1,362.82			
HS	MDF 139D	4	10G-SFPP-LR	10GBASE-LR, SFP+ optic (LC), for up to 10km over SMF	\$ 2,745.00	\$ 10,980.00	\$ 719.41	\$ 2,877.64	\$ 2,877.64			
HS	MDF 139D	3	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 14,250.00	\$ 1,680.59	\$ 5,041.76	\$ 5,041.76			
HS	MDF 139D	3	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 450.00	\$ 58.97	\$ 176.90	\$ 176.90			
HS	MDF 139D	2	10G-SFPP-TWX-0501	DIRECT ATTACHED SFPP ACTIVE COPPER,5M,1-PACK	\$ 260.00	\$ 520.00	\$ 102.21	\$ 204.42	\$ 204.42			
HS	IDF2C	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48			
MS	IDF2C	1	RPS20-E	POWER SUPPLY FOR ICX7150-48ZP	\$ 1,500.00	\$ 1,500.00	\$ 432.43	\$ 432.43	\$ 432.43			
MS	IDF2C	1	ICX-FAN11	FAN FRU FOR ICX7150-48ZP	\$ 250.00	\$ 250.00	\$ 72.07	\$ 72.07	\$ 72.07			
HS	IDF2C	3	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 14,250.00	\$ 1,680.59	\$ 5,041.76	\$ 5,041.76			
HS	IDF2C	4	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 600.00	\$ 58.97	\$ 235.87	\$ 235.87			
HS	IDF2C	4	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 3,960.00	\$ 259.46	\$ 1,037.84	\$ 1,037.84			
HS	IDF1A	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48			
MS	IDF 1A	1	RPS20-E	POWER SUPPLY FOR ICX7150-48ZP	\$ 1,500.00	\$ 1,500.00	\$ 432.43	\$ 432.43	\$ 432.43			
MS	IDF 1A	1	ICX-FAN11	FAN FRU FOR ICX7150-48ZP	\$ 250.00	\$ 250.00	\$ 72.07	\$ 72.07	\$ 72.07			
HS	IDF1A	1	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 4,750.00	\$ 1,680.59	\$ 1,680.59	\$ 1,680.59			
HS	IDF1A	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$ 58.97	\$ 117.94	\$ 117.94			
HS	IDF1A	4	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 3,960.00	\$ 259.46	\$ 1,037.84	\$ 1,037.84			
HS	IDF1B	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48			
HS	IDF1B	1	ICX7150-24P-4X10GR-RMT	ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 370W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 2,850.00	\$ 2,850.00	\$ 1,008.35	\$ 1,008.35	\$ 1,008.35			
HS	IDF1B	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$ 58.97	\$ 117.94	\$ 117.94			
HS	IDF1B	4	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 3,960.00	\$ 259.46	\$ 1,037.84	\$ 1,037.84			
HS	IDF1C	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48			
HS	IDF1C	1	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 4,750.00	\$ 1,680.59	\$ 1,680.59	\$ 1,680.59			
HS	IDF1C	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$ 58.97	\$ 117.94	\$ 117.94			
HS	IDF1C	4	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 3,960.00	\$ 259.46	\$ 1,037.84	\$ 1,037.84			
HS	IDF1D	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48			
HS	IDF1D	1	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 4,750.00	\$ 1,680.59	\$ 1,680.59	\$ 1,680.59			
HS	IDF1D	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$ 58.97	\$ 117.94	\$ 117.94			
HS	IDF1D	8	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 7,920.00	\$ 259.46	\$ 2,075.67	\$ 2,075.67			
HS	IDF1E	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48			
HS	IDF1E	2	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 9,500.00	\$ 1,680.59	\$ 3,361.18	\$ 3,361.18			
HS	IDF1E	3	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 450.00	\$ 58.97	\$ 176.90	\$ 176.90			
HS	IDF1E	4	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 3,960.00	\$ 259.46	\$ 1,037.84	\$ 1,037.84			
HS	IDF2D	1	ICX7150-48ZP-E8X10GR-R	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48			
HS	IDF2D	3	ICX7150-48PF-4X10GR-RM	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 14,250.00	\$ 1,680.59	\$ 5,041.76	\$ 5,041.76			
HS	IDF2D	3	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 450.00	\$ 58.97	\$ 176.90	\$ 176.90			
HS	IDF2D	1	10G-SFPP-TWX-0301	DIRECT ATTACHED SFPP ACTIVE COPPER,3M,1-PACK	\$ 210.00	\$ 210.00	\$ 82.56	\$ 82.56	\$ 82.56			



TTX SPIN NUMBER 1430009873

FRN NUMBER 180010977



**BRECKSVILLE-BROADVIEW HTS.
CITY SCHOOL DISTRICT**

"where fine education is a heritage"

Building	Closet	Qty	P/N	Description	MSRP	MSRP Extended	BBHHS Sell per	BBHHS Extended	Eratable	Not Eratable
							unit	sell		
HS	IDF2D	4	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 3,960.00	\$ 259.46	\$ 1,037.84	\$ 1,037.84	
HS	IDF1F	1	ICX7150-48ZP-E8X10GR-RMT	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
HS	IDF1F	1	ICX7150-24P-4X10GR-RMT	ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 370W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 2,850.00	\$ 2,850.00	\$ 1,008.35	\$ 1,008.35	\$ 1,008.35	
HS	IDF1F	2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$ 58.97	\$ 117.94	\$ 117.94	
HS	IDF1F	4	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 3,960.00	\$ 259.46	\$ 1,037.84	\$ 1,037.84	
HS	IDF3D	1	ICX7150-48ZP-E8X10GR-RMT	ICX 7150-48ZP Switch Z-Series, 16x 100/1000/2.5G PoH ports, 32x 10/100/1000 PoE+ ports, 8x 10G SFP+, L3 features (OSPF, VRRP, PIM, PBR). 1 RPS20-E Power Supply, 1 Fan tray. 3 years remote support	\$ 7,900.00	\$ 7,900.00	\$ 2,277.48	\$ 2,277.48	\$ 2,277.48	
HS	IDF3D	1	ICX7150-24P-4X10GR-RMT	ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 370W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 2,850.00	\$ 2,850.00	\$ 1,008.35	\$ 1,008.35	\$ 1,008.35	
HS	IDF3D	1	ICX7150-48PF-4X10GR-RMT	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 4,750.00	\$ 1,680.59	\$ 1,680.59	\$ 1,680.59	
HS	IDF3D	4	10G-SFPP-SR	10GBASE-SR, SFP+ optic (LC), target range 300m over MMF	\$ 990.00	\$ 3,960.00	\$ 259.46	\$ 1,037.84	\$ 1,037.84	
HS	IDF3D	3	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 450.00	\$ 58.97	\$ 176.90	\$ 176.90	
Maint		1	ICX7150-48PF-4X10GR-RMT	ICX 7150 Switch, 48x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 740W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 4,750.00	\$ 4,750.00	\$ 1,680.59	\$ 1,680.59	\$ 1,680.59	
Maint		1	ICX7150-24P-4X10GR-RMT	ICX 7150 Switch, 24x 10/100/1000 PoE+ ports, 2x 1G RJ45 uplink-ports, 4x 10G SFP+ uplink-ports, 370W PoE budget, L3 features (OSPF, VRRP, PIM, PBR), 3 year remote support.	\$ 2,850.00	\$ 2,850.00	\$ 1,008.35	\$ 1,008.35	\$ 1,008.35	
Maint		2	10G-SFPP-TWX-0101	DIRECT ATTACHED SFPP COPPER,1M,1-PACK	\$ 150.00	\$ 300.00	\$ 58.97	\$ 117.94	\$ 117.94	
All		82	3M-OM4	3 meter OM4 Duplex 40GB 50/125 MultiMode Fiber Patch Cable	\$ 19.32	\$ 1,584.24	\$ 18.08	\$ 1,482.85	\$ 1,482.85	
ALL		6	9M-SM	9 meter 9/125 Single Mode Fiber Patch Cable	\$ 21.32	\$ 127.92	\$ 19.96	\$ 119.73	\$ 119.73	
ALL		18	3M-SM	3 meter 9/125 Single Mode Fiber Patch Cable	\$ 15.32	\$ 275.76	\$ 14.34	\$ 258.11	\$ 258.11	
				Freight and Shipping						

Subtotal Equipment	\$ 669,897.92	\$ 215,039.58	\$ 201,094.96	\$ 13,944.62
			\$ -	
			\$ -	
Subtotal Professional services		\$ 43,015.00	\$ 41,618.30	\$ 1,396.70
			\$ -	
			\$ -	
Total Cost		\$ 258,054.58	\$ 242,713.26	\$ 15,341.32