

CNM Grant Procurement Memo

Applies to:

- Federal purchases \$10,000 and above or,
- State purchases \$20,000 and above
- Purchases less than \$60,000

Funding source (choose one):

State Federal

Grant/Project Title: Dept of Education-Quantum Learning Lab

Project Director/PI: Brian Rashap

Grant number within Workday: GR300429

Description of goods or services: Short description of what is needed

Quantum Key Distribution (QKD) experimental setup

Benefit to grant and CNM: Describe how/why this purchase will meet objectives of project.

The below items allow the construction of a 9 student QKD training system for the bootcamp. This will allow us to expand the capacity of the Quantum Bootcamp from 3 to 12 students teaching polarization, half/quarter wave plates, and BB84 protocol

Estimated dollar amount: \$11,326.16

Rationale for method of procurement: Describe how quotes were gathered

Direct Quotes from Vendors

Contractor selection or rejection: Name each vendor and indicate whether selected or rejected. This will document and justify the decision for procurement.

- VENDOR #1: ThorLabs
 - ThorLabs: ACCEPTED
 - Amount of Quote: \$11,326.16
 - Justification: Lowest Quote. Matches current setup and allows for expansion.
- VENDOR #2: QuTools
 - QuTools: REJECTED
 - Amount of Quote: \$60,000 + Tariffs
 - Justification: More expensive, non-US made.
- VENDOR #3: SFifteen Instruments
 - Newport / MKS: REJECTED
 - Amount of Quote: \$19,050
 - Justification: More expensive, Singapore-company, Chinese made product.

VENDOR #1: ThorLabs



43 Sparta Avenue • Newton, NJ 07860 • USA

Quotation TQ0604913

Bill to

Central New Mexico Community College
Accounts Payable
P.O. Box 4586
Albuquerque, NM 87196
United States

Date 7/16/2025
Expiration Date 8/15/2025
Number TQ0604913-1
Sales Contact Patricia Abenilla
Mode of Delivery FedEx Ground
Terms of Delivery Free Carrier
Payment Terms Net 30 days
Invoice Account 287440

Ship to

Central New Mexico Community College
Suite 3100
101 Broadway NE
Albuquerque, NM 87102
United States
Attention: Brian Rashap
Phone: 5058506352
Email: brashap@cnm.edu

Item# / Description	Quantity	Unit Price	Disc.%	Disc. Price	Amount	Availability
1 EDU-QCRY1 Quantum cryptography demonstration kit, imperial, 120 VAC Unit Net Weight: 17.0000kg Commodity code: 9023.00.0000 Country of Origin: DEU REACH: SVHC Free RoHS: Compliant	3.00	4,145.19	10.00	3,730.67	11,192.01	Available

Subtotal 11,192.01
Shipping & Handling 134.15
Sales Tax 0.00
Grand Total 11,326.16 **USD**

Please note that any changes may affect your pricing. All prices are subject to increase or to the imposition of a surcharge to cover all or a portion of the cost of new tariffs or other charges imposed by the government after the date hereof.

Acceptance of purchase order is conditional on Thorlabs' Terms and Conditions (www.thorlabs.com) which shall control and supersede any other terms and conditions. US, UK, and EU Export Laws and Regulations may apply to the sale, destination and end use of these items and any related technical data. Any diversion contrary to US and European export control regulations is strictly prohibited: www.bis.doc.gov. Additional compliance information can be found under the supporting documents for each item appearing on our website. Title passes to the buyer at the point of shipment from Thorlabs facility.

Phone: 973-300-3000 • Fax: 973-300-3600 • Email: sales@thorlabs.com

VENDOR # 2 - quTools

quTOOLS



qutools GmbH : Kistlerhofstr. 70 Geb 88 : 81379 Munich

Brian Rashap
IoT Educator
Central New Mexico Community College
United States

qutools GmbH
Kistlerhofstr. 70 Geb. 88, 81379 Munich, Germany
T +49 (89) 321 649 59-0, F +49 (89) 321 649 59-9
Website: www.qutools.com
Date: 21.07.2025
Processed by: Nico Klein
E-Mail: Nico.Klein@qutools.com

Offer No. A_20250721_NK_01

Pos	Quantity	Description	Unit Price (EUR)	Total Price (EUR)
1	1	quEDU Control Unit Including: - 4 APDs - Time Tagging and Coincidence Logic - Data Acquisition and Readout	25.000,00	25.000,00
2	1	quADD-ED Entangled Photon Pair Source Experiment Board Including: - Pump Laser with laser driver - SPDC source - Alignment Accessories - Fiber Coupling	25.000,00	25.000,00
3	1	quADD-QKD Quantum-Key Distribution Board for quEDU including fiber coupling, Alice, Eve and Bob components	15.000,00	15.000,00
4	1	Collaboration Discount	-5.000,00	-5.000,00
Net amount				60.000,00
Tax free (§4, Nr 1a UStG)				
Total value				60.000,00

Payment terms:

30 days net via bank transfer.

Delivery terms:

FCA (Incoterms 2020)

This offer remains valid for 30 days from the date of this quotation.

VAT-ID.: DE 814275823 : Amtsgericht München HRB 155 713 : WEEE-Reg.-Nr.: DE 74794221 : Geschäftsführer: Björn Habrich
Oberbank Bayern München : BLZ: 701 207 00 : Acc.-No.: 1001280971 : IBAN: DE46 7012 0700 1001 2809 71 : BIC: OBKLDENX

1 / 2

VENDOR #3: Sifteen Instruments



QUOTE

Dr. Brian Rashap
Central New Mexico Community College
101 Broadway NE
ALBUQUERQUE 87102
NEW MEXICO

Date
20 Jul 2025
Expiry
30 Sep 2025
Quote Number
QU-0241

S-Fifteen Instruments Pte.
Ltd.
Blk 79 Ayer Rajah
Crescent #01-02
Singapore 139955
info@s-fifteen.com

Item	Description	Quantity	Unit Price	Tax	Amount SGD
EKPQC	S-Fifteen Instruments Programmable Quantum Cryptography Educational Kit including Eavesdropper (assembled)	3.00	6,350.00	No Tax	19,050.00
Subtotal					19,050.00
TOTAL SGD					19,050.00

Terms

Payment 30 days after receipt, invoice, or acceptance, whichever comes last.
Lead time: 12-16 weeks.
Incoterms: Ex-Works (Singapore Office)
Warranty: 1 year hardware one-to-one replacement.