

PB/SSE/Q/2026-2027/ECE/01
SUPPLY AND DELIVERY OF CONSUMABLES FOR ELECTRONIC AND
COMMUNICATION ENGINEERING, SCHOOL OF SCIENCE AND
ENGINEERING, LUMUT CAMPUS, POLITEKNIK BRUNEI, NEGARA BRUNEI
DARUSSALAM

ITEM ITEM	BANYAK QUANTITY	KETERANGAN DESCRIPTION
1	200 PCS	ZENER DIODE 1N5339B
2	200 PCS	TRANSISTOR 2N3904
3	10 SETS	ARDUINO CTC 101 (CREATIVE TECHNOLOGIES IN THE CLASSROOM 101) PROGRAM – FULL - CTC 101 is a modular STEAM program consisting of a toolbox with more than 25 projects and easy to assemble experiments, an online platform and guided educators support. - This kit includes: - Toolbox (More than 700 components and parts): • 6 Arduino 101 Boards • 6 Arduino Education Shields • More than 10 mini breadboards • Set of electronic components • Set of plug-and-play modules • Set of sensors and actuators • Set of batteries • Media and storage • Set of cables • MDF parts • Storage and sorting boxes
4	20 PCS	MKR WiFi 1010 • Microcontroller : SAMD21 Cortex®-M0+ 32bit low power ARM® MCU • Radio module : u-blox NINA-W102 • Board Power Supply (USB/VIN) : 5V • Secure Element : ATECC508 • Supported Battery : Li-Po Single Cell, 3.7V, 1024mAh Minimum • Circuit Operating Voltage : 3.3V • Digital I/O Pins : 8 • PWM Pins : 13 (0 .. 8, 10, 12, 18 / A3, 19 / A4) • UART : 1 • SPI : 1 • I2C : 1 • Analog Pins : 7(ADC 8/10/12 bit) - Input Pins , 1(DAC 10 bit) - Output Pin • External Interrupts : 10 (0, 1, 4, 5, 6, 7, 8,9, 16 / A1, 17 / A2) • DC Current per I/O Pin : 7 mA • CPU Flash Memory : 256 KB (internal) • SRAM : 32 KB • EEPROM : no • Clock Speed : 32.768 kHz (RTC), 48 MHz • LED_BUILTIN : 6 • USB : Full-Speed USB Device and embedded Host

5	20 KITS	Raspberry Pi 5 WiFi Kit (16GB RAM + 32GB microSD , UK / G-Type Plug Style) - This starter kit includes : • Raspberry Pi 5 16 GB RAM - popular minicomputer with 64-bit 2.4 GHz processor , 16 GB RAM memory , built-in WiFi module Dual Band and Bluetooth 5. • Raspberry Pi Power Supply - 5.1 V, 5 A current output with USB-C connector and Power Delivery mode. • Raspberry Pi 5 Case - has a built-in fan, provides access to both microHDMI connectors, microSD card, power and GPIO connectors. • 32GB microSD Card Class 10 - 32GB fast Class 10 memory card with Raspberry Pi OS. • Micro-HDMI to HDMI cable (1 metre) - to connect Raspberry Pi to a monitor. • Network cable - Ethernet Patchcord UTP 5e with a length of over 1 m allows you to create a connection to the Internet.
6	5 KITS	Aluminum Electrolytic Capacitor Assortment Box Kit, 24Value 630pcs, Range 0.1uF — 1000uF - Specifications : • Capacitance : 0.05 Farad • Item Shape : Round • Maximum Storage Temperature : 105 Degrees Celsius • Operating Voltage : 50 Volts • Capacitance Tolerance : 20 • Maximum Voltage : 24 Volts • Mounting Type : Through-Hole Mount • Upper Temperature Rating : 105 Degrees Celsius • Material Type : Aluminum

Note:

1. If you are interested in submitting an offer, you are required to make a payment of **BND\$5.00** to **Finance Division, Politeknik Brunei on the 12th floor, Jalan Ong Sum Ping.**
2. You are also required to fill in the online PARTICIPATION FORM at <https://bit.ly/3Hp2RLt> and upload the payment receipt into the form. Quotation Form (RFQ) and related documents will be sent via email.
3. If you require further information, please do not hesitate to contact nursyahiiarah.mazlan@pb.edu.bn or contact no. **+673 8278901**

Thank you and looking forward to your participation.