

Request for Quotations

LINK FOR RFQ TENDERS CLOSING 19/08/2026

Wednesday, August 19 · 11:00am

Time zone: UTC

Google Meet joining info

Video call link: <https://meet.google.com/gzm-cgxe-cdi>

ITEM NO	RFQ No.	DESCRIPTION	QTY	SPECIFICATION
1	RFQ680-26	Supply and delivery of Signature Pads	2	See specifications below
2	RFQ573-26 RETENDER	Supply and delivery of Cisco router	1	See attached specifications
3	RFQ681-26	Supply and delivery of Network tools - Power meter - Visual Fault Locator 10Mw - Visual Fault Locator 20Mw - Visual Fault Locator 30Mw	4 4 4 4	See attached specifications
4	RFQ682-26	Supply and delivery of Power Connection Accessories - Double Pole isolators (din rail mountable) 60A double pole circuit breakers (din rail mountable) - Number 1 armoured cable glands and shrouds 5A socket adapters	30 30 30 30	Contact Engineer D. Chikoani (0773471076) for samples and specifications
5	RFQ683-26	Supply and delivery of Fibre Optic Termination Unit- 19" Rack, 4U preloaded with Fan-Out cords (Fijikura FTB-8054-432LC)	4	See attached specifications

Closing date for ALL Tenders: On or before 11:00hrs; Wednesday 19 August 2026

Bidding Terms

- Quotations should be in US\$ payable in US\$
- Payment Terms – 30 days
- Bidders to provide valid tax clearance certificate
- Bidders with outstanding orders for any of the above items will not be considered.
- TELONE RESERVES THE RIGHT TO INCREASE AND DECREASE QUANTITY
- Bidders should also be compliant with the new regulations for FISCAL TAX INVOICE where necessary.
- Each tender should be in its own envelope; tenders should not be mixed on one quotation.
- It is the Bidder's responsibility to ensure that they receive a receipt confirming submission of their bid that has correct details of the Bidder and the number of the Bid.

Your Tender should state the price (Please state your VAT status), a firm delivery date Emailed to both procurement@telone.co.zw and procurement@telmail.co.zw. Physical copies to be **HAND DELIVERED** to TelOne, Procurement, 8th Floor, Runhare House.



Signature Capture Device — Procurement Specification

Vendor-agnostic hardware & integration requirements

1. Purpose

This document defines the minimum and preferred technical, software, and licensing requirements for a signature-capture device to be integrated into the smart city web application. Requirements are vendor-agnostic: any device meeting the criteria below is acceptable, regardless of manufacturer (e.g. Wacom, Topaz, ePadLink, or equivalent).

2. Integration Approach (context for vendors)

The web application captures signatures using standard browser technology — an HTML5 canvas paired with the W3C Pointer Events API — via an open-source JavaScript library (e.g. signature_pad / react-signature-canvas, MIT licensed). This avoids proprietary SDK licensing fees and per-transaction costs. The procured device must therefore function as a standard pointer/HID input device recognized by the operating system, without requiring a mandatory paid SDK for basic signature capture.

3. Functional Requirements

- Allow a user to draw a handwritten signature using a stylus/pen on a flat capture surface.
- Signature strokes must be captured in real time by the web browser as standard pointer input.
- Signature must be exportable as an image (PNG/SVG) or stroke data for upload to the web application.
- Pressure-sensitivity data reported via the browser's Pointer Events API is desirable for natural-looking stroke rendering (optional).

4. Technical / Hardware Requirements

- Interface: USB (wired) connection required; Bluetooth acceptable as a secondary option only.
- Device must be recognized by Windows 10/11 as a standard HID pointer or graphics-tablet-class device.
- Capture surface: minimum size suitable for a comfortable handwritten signature (e.g. 5" × 3" or larger).
- Durable construction suitable for the intended use environment (counter, field, or office — specify per deployment).
- Windows 10/11 driver support required; macOS driver support is a plus.

5. Software & Integration Requirements

- Must NOT require a mandatory paid SDK, license, or per-signature/per-transaction fee for basic signature capture and image export.
- Any required driver must be free to download and install, without enterprise licensing restrictions.
- Device must work with the standard W3C Pointer Events API in modern browsers (Chrome, Edge, Firefox) once the OS driver is installed.
- No dependency on deprecated browser plugins (ActiveX, NPAPI, Java applets) — these are unsupported by modern browsers.
- Must be usable with open-source signature-capture libraries (e.g. signature_pad, react-signature-canvas) without additional middleware.

6. Compatibility Requirements

- **Operating System:** Windows 10 or 11 (required)

- **Browsers:** Latest Chrome, Edge, and Firefox (must support the Pointer Events API — standard in all modern browsers)
- **Web application stack:** React (client-side JavaScript)

7. Licensing & Cost Constraints

- No recurring per-transaction or per-signature fees for the basic capture-and-upload use case.
- One-time hardware purchase cost is preferred over subscription-based software licensing.
- Any optional advanced SDK (e.g. for biometric/forensic signature verification or on-device ink rendering) must be quoted separately and clearly marked as optional, not required for baseline functionality.

8. Optional / Nice-to-Have Features

- On-device LCD screen showing live ink as the user signs (improves user experience; full functionality may require a vendor driver/SDK — evaluate case-by-case).
- Pressure-sensitivity / tilt reporting for a more natural signature appearance.
- Compact, portable form factor.
- Driver support across Windows, macOS, and Linux.

9. Explicitly Out of Scope

- Biometric signature verification / forensic authentication features are not required for this procurement.
- Devices that require a proprietary browser plugin (e.g. discontinued ActiveX or NPAPI-based plugins) are not acceptable.

10. Vendor Evaluation Checklist

To be completed during vendor comparison:

Criterion	Requirement	Vendor A	Vendor B	Vendor C
Works as standard HID/pointer device without a mandatory SDK	Required			
Free OS driver available (no paid license to install)	Required			
USB (wired) connection available	Required			
Compatible with open-source canvas capture libraries (e.g. signature_pad) via W3C Pointer Events	Required			
No per-signature / per-transaction licensing fee for basic capture	Required			
No proprietary browser plugin (ActiveX/NPAPI/Java applet) required	Required			
macOS driver available	Optional			
Pressure-sensitivity / tilt	Optional			

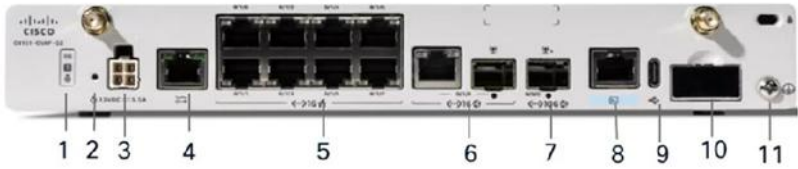
Criterion	Requirement	Vendor A	Vendor B	Vendor C
data reported to browser				
On-device LCD screen showing live ink as user signs	Optional			
Unit price	—			
Warranty period	—			

11. Appendix — Reference Integration Details (for vendor technical contact)

- **Frontend library:** signature pad / react-signature-canvas (open source, MIT license)
- **Capture method:** HTML5 Canvas + W3C Pointer Events API
- **Data flow:** Signature drawn on canvas → exported as PNG/SVG data URL → uploaded to backend via the existing file-upload flow

RFQ573-26 (RETENDER)

CISCO Router



Label	Description
1	Status LED, cellular LED, blue beacon LED
2	Reset button
3	12 VDC power input
4	1 x RJ-11 DSL port
5	8 x GE RJ-45 ports
6	1 x GE RJ-45/SFP combo
7	1 x XGSPON/10G BASE-T port
8	1xRJ-45 console port
9	USB Type-C 3.0
10	Dual nano SIM Slots
11	Kensington lock, ground screw

RFQ681-26

Power meter

Overview

Handheld optical power meter (with optional light source/visual fault locator) used for continuous optical signal power measurement, fibre line continuity testing, fault location, and fibre line loss testing. Widely used in fibre cable installation and maintenance, fibre optic communications, fibre sensing etc.

Parameter	Specification
Wavelength Range	800 – 1700 nm
Connector	Universal interface — FC/SC/ST
Detector Type	InGaAs
Power Measurement Range	-70 to +6 dBm (low range); -50 to +26 dBm (high range)
Measurement Error	± 5%
Calibrated Wavelengths (nm)	850, 980, 1270, 1300, 1310, 1490, 1550, 1577, 1625
Display Resolution	Linear: 0.1% Logarithmic (dBm): 0.01 dBm
650nm Red Light Source (Optional)	1mW / 10mW

Stable Light Source (Optional)	850/980/1270/1300/1310/1490/1550/1577/1625 nm
Light Source Stability	0.05 dB
Operating Temperature	-10°C ~ +60°C
Storage Temperature	-30°C ~ +70°C
Auto Power-Off Time	120 seconds
Battery Operating Time	> 120 hours continuous
Power Supply	3 × AA batteries, or rechargeable 800mAh Li-ion battery (optional)
Display Output	Power values displayed in dB, dBm, mW, μW, nW; supports 9 wavelength channels

Visual fault locator VFL (10mW, 20mW,30mW)

Parameter	Specification
Central Wavelength	650nm ± 10nm (635nm available on request)
Emitter Type	FP-LD
Output Power	10mW, 20mW, 30mW
Optical Connector	2.5mm universal connector; FC(Male)-LC(Female) convertor optional for 1.25mm connectors
Operating Mode	Both CW (Continuous Wave) and Pulse available
Pulse Frequency	2 ~ 3 Hz
Power Supply	2 × AA alkaline batteries
Battery Operating Time	≥ 40 hours @ 650nm/1mW (tested with Panasonic LR6 AA Alkaline battery)
Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C

Key Features

- Constant output power with low battery warning
- Crash-proof and dust-proof laser head
- Laser case ground design to prevent ESD damage
- Portable, rugged, and easy to use — designed for field personnel

RFQ683-26

Fujikura FTB-8054-432LC Fibre Optic Termination Unit — 19" Rack, 4U

Key Specifications:

- Rack Units: 4U (H177 × W448 × D627 mm)
- Port Count: 432 × LC/UPC (with shutter)
- Polishing: UPC
- Splice Trays: 6 (front access)
- Fan-out Cords: 12c SWR (pre-loaded)
- Access: Sliding panel / drawer mechanism
- Weight: ~8.5 kg | Indoor, 19" rack

(Warranty and after sale support is required)