

## A. TECHNICAL SPECIFICATIONS

| No | Item                                                                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Quantity | Reference Picture                                                                     |
|----|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|
| 1  | <b>Canon i-SENSYS MF645Cx</b><br><br><b>All-in-one Laser printer</b> | <p>Machine type: Colour Laser All-In-One Available</p> <p>functions: Print, Copy, Scan and Fax</p> <p>Print speed: Single sided : Up to 21 ppm (A4), Up to 38 ppm(A5-Landscape) <b>Double sided</b>: Up to 12.7 ipm (A4)</p> <p>Printing Method: Colour laser beam printing</p> <p>Print Resolution: 600 x 600 dpi</p> <p>Print quality with Image Refinement: Up to 1200 x 1200 dpi</p> <p>Printer Languages: UFR II, PCL 5c1, PCL6, Adobe® PostScript Fonts 93 PCL fonts 136 PostScript fonts</p> <p>Advanced Printing Features: Secure Print, Print from USB memory key (JPEG/TIFF/PDF), Barcode Print2, Google Cloud Print Ready, iOS: AirPrint, Android: Mopria certified</p> <p>Copy speed: Single sided (A4): Up to 21 ppm, Double sided (A4): Up to 12.7 ppm</p> <p>Scan Resolution: Optical: Up to 600 x 600 dpi , Enhanced: Up to 9600 x 9600 dpi</p> <p>Scan speed: Single sided mono: 27ipm (300x600dpi), Single sided colour: 14ipm (300x600dpi) <b>Double sided</b> mono: 47ipm (300x600dpi), Double sided colour: 27ipm (300x600dpi)</p> <p>Interface type: USB 2.0 Hi-Speed, 10BASE-T/100BASE-TX/1000Base-T, Wireless 802.11b/g/n, Wireless Direct Connection</p> <p>Operating System: compatibility Windows 10 / Windows 8.1 / Windows 7 / Server 2016 / Server 2012R2 / Server 2012 / Server 2008R2 / Server 2008 / Mac OS X version 10.9.5 &amp; up / Mac OS 10.14 &amp; up Linux</p> <p>Network Protocol: Print: LPD, RAW, WSD-Print (IPv4,IPv6), IPP, IPPS<br/>Scan: Email, SMB, WSD-Scan(IPv4, IPv6), FTP-Scan, iFAX TCP/IP<br/>Application Services: Bonjour (mDNS), HTTP, HTTPS, POP before SMTP (IPv4,IPv6) DHCP, ARP+PING, Auto IP, WINS (IPv4) DHCPv6 (IPv6) Management:SNMPv1, SNMPv3 (IPv4,IPv6)<br/>Security (wired): IP/Mac address filtering, IEEE802.1X, SNMPv3, SSL (HTTPS, IPPS)<br/>Security (wireless): Infrastructure Mode: WEP(64/128 bit), WPA-PSK(TKIP/AES), WPA2-PSK(TKIP/AES) Access Point Mode: WPA2-PSK(AES)</p> | 12       |  |

**B. WARRANTY & DOCUMENTS:**

The supplier shall provide 2 Years Hardware Warranty with Onsite/In-Home Service

**C. GENERAL REMARKS AND SPECIAL CONDITION**

1. All standard accessories for all offered items should be provided.
2. The supplier shall provide the items with all standard technical features and specifications and in full working conditions.
5. Catalogues/pictures with details and specifications must be provided with the tender submission by a bidder for the needed items and GIZ will physically check and approve"
6. Comparable specifications to be highlighted in the catalogs
7. Supplying, loading, offloading, and transportation are included.
8. Reference pictures are only to recognize and understand the items, not an indication for any model or brand

**D. Terms of delivery and place of delivery:**

Transportation to Duhok, ConNex Project, Mazi Complex, Mazi Motel & Hotel, 4<sup>th</sup> Floor  
Zakho Way