

July 21, 2020

Bid Bulletin No. 1

Subject: Supply and Delivery of Various IT Equipment under PB 20-03-18

This bid bulletin is being issued to reflect the changes/clarifications in the Invitation to Bid, Bid Data Sheet, Special Conditions of Contract, Schedule of Requirements and Technical Specifications for PB 20-03-18 Supply and Delivery of Various IT Equipment as follows:

INVITATION TO BID:

Revision in number 1 & 2, see attached Revised Invitation to Bid for your reference.

BID DATA SHEET:

Clause	Particulars
2	The Funding Source is:
	The Government of the Philippines (GOP) through the 2020 Corporate Fund Budget the amount of TWO MILLION ONE HUNDRED FIFTY- EIGHT THOUSAND TWO HUNDRED PESOS ONLY (PhP2,158,200.00).
	The name of the Project is: Supply and Delivery of Various IT Equipment
13.2	The Total ABC is TWO MILLION ONE HUNDRED FIFTY-EIGHT
	THOUSAND TWO HUNDRED PESOS ONLY (PhP2,158,200.00). Any bid
	with a financial component exceeding this amount shall not be accepted.

SPECIAL CONDITIONS OF CONTRACT:

Clause	Particulars
1.1(j)	The Funding Source is
	The Government of the Philippines (GOP) through the 2020 Corporate Fund Budget the amount of Two Million One Hundred Fifty-Eight Thousand Two Hundred Pesos Only (PhP2,158,200.00).

REVISED SCHEDULE OF REQUIREMENTS AND TECHNICAL SPECIFICATIONS:

Attached is the Revised Schedule of Requirements and Technical Specifications for the complete details.

Please be guided accordingly.

GENARD S. RILLON BAC Chairperson



INVITATION TO BID SUPPLY AND DELIVERY OF VARIOUS IT EQUIPMENT (PB 20-03-18)

- 1. The Philippine Rice Research Institute, through the **2020 Corporate Fund Budget** intends to apply the sum of **TWO MILLION ONE HUNDRED FIFTY-EIGHT THOUSAND TWO HUNDRED PESOS ONLY (PhP2,158,200.00)** being the Approved Budget for the Contract (ABC) to payments under the contract for the **Supply and Delivery of Various IT Equipment under PB 20-03-18.** Bids received in excess of the ABC shall be automatically rejected at bid opening.
- 2. The Philippine Rice Research Institute now invites bids for the **Supply and Delivery** of Various IT Equipment under PB 20-03-18 as follows: 11 units Desktop Computer, 4 units Laptop Computer, 1 unit Computer Server, 2 units Network Bridge, 8 units Network Attached Storage (NAS), 1 unit QR Reader/Scanner, 3 units Printer, 1 unit ID Printer, and 2 units Scanner.

Delivery of the Goods is required within the period specified in the Schedule of Requirements. Bidders should have completed, within two (2) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.

3. Bidding will be conducted through open competitive bidding procedures using a nondiscretionary "pass/fail" criterion as specified in the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act".

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183.

- 4. Interested bidders may obtain further information from PhilRice through telecommunication or video conferencing during office hours, kindly refer to the schedule below.
- 5. A complete set of Bidding Documents may be acquired by interested Bidders from the address below upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by GPPB, in the amount of **Two Thousand Three Hundred Pesos Only (PhP2,300.00).**

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity, provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

We encourage bidders to download the bidding documents through PhilGEPS or the PhilRice website and pay through bank. Please coordinate with the BAC Secretariat through the email address and contact number given below for the bank details and procedures.

6. The Philippine Rice Research Institute will hold an online/virtual Pre-Bid Conference on the date specified below which shall be open to all prospective bidders. A Personal Meeting ID will be sent through SMS or email for each participant at least one day before the event. Prospective bidders need to signify their intention to participate by sending an email to the address given below.

7. Bids must be duly received by the BAC Secretariat at the address below one (1) day before the opening of bids. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 18.

Face to Face and Virtual/Online Bid opening shall be held on **July 28, 2020; 3:30PM** at PhilRice Maligaya, Science City of Muñoz, N.E. Bids will be opened in the presence of the bidders' representatives (*limited number only*) who choose to attend at the address below. Late bids shall not be accepted.

- 8. The Philippine Rice Research Institute reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Section 41 of RA 9184 and its IRR, without thereby incurring any liability to the affected bidder or bidders.
- 9. Pls refer to the following schedule of activities:

Activity	Date	Remarks
Acceptance of queries through telephone or	July 6 to 10, 13 to 17, 20 to 24 & 27, 2020	Queries on the bidding documents only.
video call with the BAC Secretariat	8am to 12:00noon	Queries on the technical specifications should be in formal writing sent through email or fax, addressed to the BAC Chairperson through the BAC Secretariat.
Availability of Bidding documents and acceptance of Payment	July 7 to 27, 2020	Downloadable through PhilGEPS, PhilRice Website and can be requested through email.
		Please call the BAC Secretariat for the procedures on online payment
Virtual/Online Pre-Bid Conference	July 15, 2020	Interested bidders shall signify intention to bid through email. A
	Roll Call: 1:30PM	Personal Meeting ID will be sent
	Meeting Proper: 2:00 PM	through email to confirmed participants.
Deadline for the submission of bids	On or before July 27, 2020	Through personal delivery or through courier at the BAC
	5:00PM	Secretariat Office.
Bid Opening (Face to Face	July 28, 2020	A Personal Meeting ID will be sent
& Virtual/Online)	Roll Call: 3:00PM	to participants who submitted bid proposals on time.
	Meeting Proper: 3:30 PM	

For further information, please refer to:

THE BAC SECRETARIAT

Procurement Management Division Philippine Rice Research Institute Maligaya, Science City of Munoz, Nueva Ecija Telefax: (044) 456-0650 Mobile No. 09209135104 Email add: **bacsecretariat@philrice.gov.ph** Website: www.philrice.gov.ph

S. RILLON GENAR **BAC Chairperson**

Section VI. Revised Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item	Description	Qty	Unit	ABC (in PhP)	Division	Delivery Period
1.	Branded, Brand new, Desktop Computer with latest engineering design software (2020) Computer Aided Design (CAD)	1	Unit	125,000.00	PPD	Within 30 days upon receipt of PO/NTP
2.	Branded, Brand new, Desktop Computer	9	Unit	540,000.00	PMD (5), PPD (1), Agusan (1), LB (2)	Within 30 days upon receipt of PO/NTP
3.	Branded, Brand new, Laptop Computer	1	Unit	75,000.00	ISD	Within 30 days upon receipt of PO/NTP
4.	Branded, Brand new, Laptop Computer	1	Unit	60,000.00	PMD	Within 30 days upon receipt of PO/NTP
5.	Branded, Brand new, Computer Server with licensed server operating system	1	Unit	370,000.00	RSSP	Within 30 days upon receipt of PO/NTP
6.	Branded, Brand new Tower Desktop Computer	1	Unit	60,000.00	TMSD	Within 30 days upon receipt of PO/NTP
7.	Branded, Brand new, Laptop Computer	1	Unit	55,000.00	DevCom	Within 30 days upon receipt of PO/NTP
8.	Branded, Brand new, Laptop Computer	1	Unit	75,000.00	ComRel	Within 30 days upon receipt of PO/NTP
9.	Network bridge to provide BDD and Seedtech direct connection to the RSS server: Outdoor wireless access point for Rice Seed Systems Program	2	Unit	100,000.00	RSSP	Within 30 days upon receipt of PO/NTP
10.	Network Attached Storage (NAS)	6	Unit	300,000.00	RSSP	Within 30 days upon receipt of PO/NTP
11.	QR Reader/Scanner	1	Unit	25,000.00	GRD	Within 30 days upon receipt of PO/NTP
12.	Printer	2	Unit	37,700.00	Admin	Within 30 days upon receipt of PO/NTP
13.	Printer	1	Unit	15,500.00	Admin	Within 30 days upon receipt of PO/NTP
14.	Document Scanner	1	Unit	20,000.00	Admin	Within 30 days upon receipt of PO/NTP
15.	A3 Flatbed Colour Image Scanner	1	Unit	200,000.00	CBC	Within 30 days upon receipt of PO/NTP
16.	ID Printer	1	Unit	100,000.00	Admin	Within 30 days upon receipt of PO/NTP
	TOTAL ABC			2,158,200.00		

Section VII. Revised Technical Specifications

Item	Specification	Statement of Compliance
		Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un- amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a)(ii) and/or GCC Clause 2.1(a)(ii).
1.	One (1) Unit Branded, Brand New Desktop Computer with latest engineering design software (2020) Computer Aided Design (CAD) Processor: Intel i7 8th gen or equivalent, 6 cores / 12 threads, 3.2Ghz base frequency to 4.6Ghz max turbo frequency, 12MB cache, 14nm Motherboard: 4 USB ports with 2 USB3 (min), PCIE port, 4 SATA ports (min), Gigabit Ethernet port, 2 memory banks (min) DDR4 support, 8th Gen processor support Memory: 2 pc DDR4 2400 memory 16GB (32GB total minimum) Hard Drive: 1 pc 3.5" SATA 2TB (min) + 256GB M.2 SSD Optical Drive: DVD Writer Video: Workstation Video Card Quadro or FirePro, VGA port, DVI port (optional), HDMI, 2GB DDR3 (Min) Monitor: 24" (min) LED, VGA, HDMI, DVI (optional) Input: USB Keyboard and USB Mouse	

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	Operating System: Licensed	
	Professional, latest 64bit with NTFS file	
	system, for network domain	
	environment	
	Licensed 64bit CAD software	
	With complete basic toolsets	
	At least 2 years subscription	
	ne least 2 years subscription	
	Productivity Software: Licensed, latest	
	64bit, Including word processor,	
	spreadsheet, presentation FOR	
	BUSINESS	
	UPS: 650VA (min), online type, with	
	surge protection	
	Nine (9) Units Branded/Brand New	
	Tower	
	Computer, desktop with licensed OS, MS	
	Office, Anti-virus Software, and UPS,	
	Processor: Intel i5 8th gen or equivalent,	
	6 cores / 6 threads, 2.8Ghz base	
	frequency to 4 Ghz max turbo frequency,	
	9MB cache, 14nm	
	Motherboard: 4 USB ports with 2 USB3	
	(min), PCIE port, 4 SATA ports (min),	
	Gigabit Ethernet port, 2 memory banks	
	(min) DDR4 support, 8th Gen processor	
	support	
	Memory: 1 pc DDR4 2400 memory 8GB	
	(min)	
2	Hard Drive: 1 pc 3.5" SATA 1TB (min)	
2.	Optical Drive: DVD Writer	
	Video: VGA port, DVI port, HDMI	
	(optional), Video card (optional)	
	Monitor: 20" (min) LED, VGA, DVI	
	(optional)	
	Input: USB Keyboard and USB Mouse	
	Operating System: Licensed	
	Professional, latest 64bit with NTFS file	
	system, for network domain	
	environment	
	Productivity Software: Licensed, latest	
	32-64bit, Including word processor,	
	spreadsheet, presentation for business	
	UPS: 650VA (min), online type, with	
	surge protection	
	One (1) Unit Branded, Brand New Thin	
	Laptop Computer	
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3.	Minimum Requirements:	
	13.3" LED 1440x900px resolution	
	256GB PCIe based SSD drive	
L	23000 FUE DASEU 33D UIIVE	

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	1.8Ghz to 2.9Ghz dual core processor	
	8GB memory	
	built-in 54Watt hour lithium polymer	
	battery	
	1.35kg weight	
	.1168" height	
	12.8" width	
	8.94" depth	
	720p camera	
	2 USB3 ports	
	High-speed connection 2 port	
	Magnetically attached power connectors	
	2 power port	
	SDXC card slot	
	802.11ac wireless networking	
	bluetooth 4.0	
	Operating System: Licensed, latest OS	
	with APFS	
	Office Productivity Software: Office 365	
	Small Business Subscription	
	One (1) Unit Branded, Brand New	
	Laptop Computer	
	Minimum Requirements:	
	Processor: Intel i5 8th gen or later /	
	equivalent. 4 cores / 8 threads, 1.6Ghz	
	base frequency to 3.4Ghz turbo	
	frequency, 6MB cache, 14nm	
	Memory: 1 pc DDR4 2400 memory 8GB	
	(min)	
4.	Hard Drive: 1 pc 2.5" 1 TB SATA or	
1.	512GB M.2 SSD (min)	
	Monitor: 14" LED	
	I/O: Wireless mouse, USB2, USB3, VGA,	
	HDMI (optional), minimum 3 USB ports	
	Operating System: Licensed, latest 64bit	
	Productivity Software: Licensed, latest	
	32-64bit, Including word processor,	
	spreadsheet, presentation for business	
	Slim and lightweight	
	One (1) Unit Branded brand new,	
	Computer Server with licensed server	
	operating system	
	Processor: 1x 2.3GHz Processor,	
	16C/32T, 22M Cache, 125W TDP	
5.	Memory: 16GB RDIMM DDR4-2400	
	Hard Disk: 3.84TB (4x960GB) Raw	
	Capacity, 2.5" SAS SSD	
	Raid Controller: Supports RAID 0, 1, 5, 6,	
	10, 50, 60	
	Network Controller: 4Port 1GB Ethernet	
	Adapter	

	Power Supply: 550W Hot Plug	
	(1+1)Redundant Power Supply	
	DVD-RW Optical Drive	
	Form Factor: 1U Rackmount	
	Accessories:	
	Rackmount Rail Kit w/ Cable	
	Management Arm	
	Front Security Bezel Cover w/ key	
	3 Years Warranty	
	Latest Licensed Windows Server	
	Operating System	
	One (1) Unit Branded, brand new	
	(tower) Computer, desktop w/ licensed	
	OS and productivity software	
	Processor: Intel i5 8th gen or equivalent,	
	6 cores / 6 threads, 2.8Ghz base	
	frequency to 4 Ghz max turbo frequency,	
	9MB cache, 14nm	
	Motherboard: 4 USB ports with 2 USB3	
	(min), PCIE port, 4 SATA ports (min),	
	Gigabit Ethernet port, 2 memory banks	
	(min) DDR4 support, 8th Gen processor	
	support	
	Memory: 1 pc DDR4 2400 memory 8GB	
	(min)	
	Hard Drive: 1 pc 3.5" SATA 1TB (min)	
	Optical Drive: DVD Writer	
6.	Video: VGA port, DVI port, HDMI	
0.		
	(optional), Video card (optional)	
	Monitor: 20" (min) LED, VGA, DVI	
	(optional)	
	Input: USB Keyboard and USB Mouse	
	Operating System: Licensed	
	Professional, latest 64bit with NTFS file	
	system, for network domain	
	environment	
	Productivity Software: Licensed, latest	
	32-64bit, Including word processor,	
	spreadsheet, presentation FOR	
	BUSINESS	
	DOSINESS	
	UPS: 650VA (min), online type, with	
	surge protection	
	One (1) Unit Branded, Brand New	
	Laptop Computer, w/ licensed OS and	
	productivity software/s	
	Minimum Requirements:	
7.	Processor: Intel i5 8th gen or later /	
	equivalent. 4 cores / 8 threads, 1.6Ghz	
	base frequency to 3.4Ghz turbo	
	frequency, 6MB cache, 14nm	
	Memory: 1 pc DDR4 2400 memory 8GB	
	(min)	

II	Land Drives, $1 = 2 \Gamma'' C A T A (TTD (min))$
	Hard Drive: 1 pc 2.5" SATA 1TB (min) pr 512MB M.2 SSD
	Monitor: 14" LED
	/0: Wireless mouse, USB2,USB3, VGA,
	HDMI (optional), minimum 3 USB ports
0	Operating System: Licensed, latest 64bit
D	Productivity Software: Licensed, latest
	32-64bit, Including word processor,
	spreadsheet, presentation for business
-	Slim and lightweight
	Dne (1) Unit Branded, Brand New
	Laptop Computer, w/ licensed OS and
	productivity software/s
1	<i>,</i>
M	Minimum Requirements:
P	Processor: Intel i5 8th gen or later /
e	equivalent. 4 cores / 8 threads, 1.6Ghz
b	pase frequency to 3.4Ghz turbo
	requency, 6MB cache, 14nm
	Memory: 1 pc DDR4 2400 memory 8GB
-	min)
	Hard Drive: 1 pc 2.5" SATA 1TB (min)
N N	or 512MB M.2 SSD
	Monitor: 14" to 15" LED
	/O: Wireless mouse, USB2, USB3, VGA,
п	IDMI (optional), minimum 3 USB ports
0	Operating System: Licensed, latest 64bit
P	Productivity Software: Licensed, latest
	32-64bit, Including word processor,
	spreadsheet, presentation for business
S	Slim and lightweight
Ir	nclusion: Wireless Mouse
	ראס (2) Units Branded, Brand New
	Network bridge to provide BDD and
Se	Seedtech direct connection to the RSS
	server:
	Dutdoor AP distance - max. 50km
	Dutdoor wireless access point for Rice
	Seed Systems Program
	PtP and PtMP Application
	10/100/1000 Ethernet Port
	500+ Mbps (Max. 80 MHz) Throughput Full-Band 5GHz Frequency
	2)RP-SMA, (1)GPS Waterproof RF
-	Connectors
	Atheros MIPS 74Kc Processor
	128 MB DDR2 Memory
	10/20/30/40/50/60/80 MHz Channel
	Sizes
Â	± 24 kV Contact/Air ESD/EMP Protection

	24V, 1A Gigabit PoE Adapter (Included)	
	Access Point/Station Mode	
	Die-Cast Aluminum with White Powder	
	Coating Enclosure	
	RoHS Compliat, CE/FCC/IC Certified	
	Antenna:	
	PtP Bridge Dish Antenna	
	30dBi Gain	
	5.1-5.9 GHz Frequency	
	Light Weight Design	
	200km/h Wind Survivability	
	790 N @ 200km/h Wind Loading	
	Dual-Linear Polarization	
	35dB Min. Cross-pol Isolation	
	Accessories	
	Rocket Bracket and Weatherproof RF	
	Connectors (Included) Universal Pole Mount Bracket:	
	Protective Shroud, Elevation Rod, Pole	
	Clamp, Stabilizers	
	Eight (8) Units Branded, Brand New	
	Network Attached Storage (NAS)	
	CPU: Quad-core 2.0GHz-2.41GHz	
	Memory: 4GB DDR3L	
	Flash: 512MB DOM	
	HDD Slot: 4Bay 3.5" SATA 6Gb/s	
	16TB (4x4TB)	
	Hot-Swappable HDD Tray with Keylock	
	Gigabit LAN Ports	
10.	USB 3.0 Ports	
	Port Trunking/Link Aggregation Support	
	AES 256-bit Volume-based Encryption	
	File System (Internal): EXT4	
	File System (External): EXT3, EXT4,	
	NTFS, FAT32, HFS+	
	RAID 0/1/5/5+/6/6+/10/10+ support	
	Single Disk Support	
	Windows ACL support	
	Remote Replication Support	
	Active Directory Integration (Existing)	
	One (1) Unit Branded, Brand new, QR Reader/Scanner	
11.	2D Imager, Standard Range, Cordless,	
	Bluetooth	
	Two (2) Units Brand New Printer with	
	scanner	
	SPECIFICATIONS	
	Print, Copy, Scan, Fax	
12.	Multitasking supported	
	Print technology – Laser	
	Print quality black (best) – Up to 600 x	
	600 dpi Print quality color (best) Up to 600 y	
	Print quality color (best) – Up to 600 x	
	600 dpi	

	ePrint capability	
	Mobile printing capability	
	Wireless capability	
	Duplex printing – Manual (driver	
	support provided)	
	Scan resolution, optical – Up to 300 dpi	
	(color and mono, ADF)	
	Scan resolution, optical – Up to 1200 dpi	
	(color and mono, flatbed)	
	Print speed up to 17 ppm, LTR	
	2-line LCD with numeric pad	
	One (1) Unit Branded Brand New,	
	Printer with scanner	
	SPECIFICATIONS	
	Compact integrated ink tank design	
	Print speeds up to 15ipm for black and	
4.0	8.0ipm for colour	
13.	Auto-duplex printing	
	ADF capability	
	Ethernet & Wi-Fi Direct	
	Borderless Printing up to A4 size	
	Spill-free ink refilling	
	with Automatic Document Feeder	
	LCD Screen	
	color: Black	
	One (1) Unit Branded Brand New,	
	Document Scanner	
	Document Scanner	
	Fast — high-quality scans up to 26	
	ppm/52 ipm; scans both sides in one	
	pass	
	"Double-feed Detection and Paper	
	Protection prevent misfeeds;	
	peak daily duty cycle up to 3,000 sheets"	
	"Scan to online storage accounts— scan	
	to Dropbox, Evernote,	
	Google Drive, SharePoint and more"	
	"can to searchable PDFs — save scanned	
14.		
	documents as PDF files;	
	scan and edit documents and	
	spreadsheets with OCR software	
	included"	
	Easily scan stacks of documents — 50-	
	page Auto Document Feeder	
	"Scan folded pages up to 11"" x 17"",	
	rigid ID cards, stacks of business cards	
	and single sheets"	
	Optical Resolution: 600 dpi	
	Max Resolution: 1200 x 1200 dpi	
	Maximum Scan Area: 8.5 x 120"	
	Scan Speed: 26 ppm / 52 ipm	
	One (1) Unit Branded, Brand New A3	
	Flatbed Colour Image Scanner	
15.		
	Sensor Type: 6-line colour CCD	
	Light Source: LED	

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	Optical Resolution: 2,400 x 4,800 dpi	
	Optical Density: 3.8 Dmax	
	Output Resolution: 50 - 6,400 dpi (1 dpi	
	increments)	
	Scanner Bit Depth (Colour): 48-bit input,	
	24/48-bit output	
	Scanner Bit Depth (Grayscale): 16-bit	
	input, 8/16-bit output	
	Scanner Bit Depth (Black & White): 16-	
	bit input, 1-bit output	
	Max Document Size: 310 x 437mm	
	(Reflective); 309 x 420mm	
	(Transparency)	
	Film Scanning: 35mm strip film x 48	
	Frames, 35mm mounted film x 30 Frames, (6 x 17cm) x 6 Frames, (4" x 5")	
	$x \ 8 \ Frames, (6 \ x \ 1/cm) \ x \ 6 \ Frames, (4 \ x \ 5 \)$	
	· 1	
	Output File Formats: JPEG, TIFF, Multi-	
	TIFF, PDF, Searchable PDF, BMP, PNG	
	Supported OS: Windows XP / Vista / 7 /	
	8 / 8.1 / 10; Mac OS X 10.6.8 or later	
	Scanner Driver Compatibility: TWAIN	
	One (1) Unit Branded, Brand New ID	
	Printer	
	Specs:	
	Print Method: Direct-to-Card	
	Resolution: 300 dpi or higher	
	Print Speed:	
	Accepted Card Type: PVC card	
	Accepted Card Thickness: 0.01-	
	0.039inch/0.25-1.00mm(10-40mil)	
	Accepted Card Size: (2.13x3.37	
	inch/53.98x85.6mm)	
16.	Operating System: For windows 7 or	
	above	
	Interface: USB2.0 or USB 3.0 or ethernet	
	Way to Print: PC Link	
	Input Hopper Card Capacity: 100 cards	
	(0.030inch/0.76mm/30mil)	
	Output Hopper Card Capacity: 50 cards	
	(0.030 inch/0.76mm/30mil)	
	With Magnetic stripe card encoding	
	module	
	With Flipper module for dual sided	
	printing	
	With Cleaning Roller	