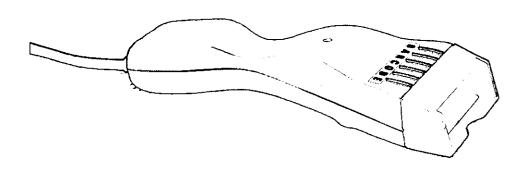
SCANPLUS

ScanPlus is UBI's most advanced scanning, reading and interfacing system. It combines the advantages of solid state, non-contact CCD scanning with extensive interfacing capabilities. ScanPlus' ease-of-use, ergonomic design, aggressive reading, and lack of moving parts provide superior performance wherever bar code scanners are used to enhance productivity.



FEATURES

- High Performance ScanPlus blazes through codes at 200 scans per second, much faster than its competitors. It offers virtually instant reading of all codes, including those printed poorly, on curved surfaces, or covered with laminates.
- Direct Connection ScanPlus' RS-232, wedge, and cash register interfaces are on-board. No external decoder is required.
- No Moving Parts ScanPlus is far more reliable than hand-held devices that depend on motors and moving mirrors.
- Easy To Use Using ScanPlus is as easy as pointing. The user simply positions the head of the reader over the code and ScanPlus reads it automatically.
- Ergonomic ScanPlus was designed by human factors specialists for maximum comfort. It features a slim handle for comfortable scanning. A narrow holding point on the ScanPlus' neck allows the user to press keys on a portable terminal or cash register while still holding the scanner. ScanPlus incorporates an unusually long cable with double coils.

- Trigger-Free Operation ScanPlus reads automatically. There is no need to move the scanner across the code or to pull a trigger.
- User Programmable The user establishes all key parameters, including the format of the codes to be read, and the host system to which the ScanPlus is to be interfaced, by means of bar code menus in the user's manual.

CONNECTIONS

With its on-board decoder, ScanPlus can interface directly to a wide variety of systems:

- RS-232 (Single or Dual)
- Wand Emulation
- Laser Emulation
- OCIA for NCR, TEC, and other cash registers
- Universal (Utilizing external interfaces for dual connections)
- Wedge (see reverse for information on "ScanWedge")

BENEFITS

CCD-based scanners are the bar code reading system of choice in Japan, Europe, and increasingly throughout the United States because of their ease of use, aggressive reading performance and great reliability.

ScanPlus goes beyond other CCD scanners with several key innovations :

- ScanPlus' ergonomic shape allows the user to hold the scanner while pressing keys on the cash register or terminal.
- ScanPlus' higher reading speed means that it reads codes faster, especially difficult to read ones.
- ScanPlus' user programmability and on-board intelligence mean it can be easily configured to the user's application.
- ScanPlus' multiple on-board interfaces allow it to be upgraded to meet future requirements.



S C A N P L U S

SCANPLUS OPTIONS

- On/Off Button ScanPlus can be ordered with a power-saving on/off button. The user sets the "time out" or period of inactivity, after which the ScanPlus' LEDs turn off. The user simply presses the button to reactivate the scanner.
- Optional Narrow Mouth ScanPlus can be fitted with an optional narrow mouth which lets the user discriminate between codes placed closely one atop another, as in a bar code "menu" application.

SCANWEDGE

A special version of the ScanPlus connects between keyboard and display to over 150 terminals and PCs. A set of adapter cables is plugged into an adapter at the end of the ScanPlus' cord. One cable is connected to the terminal's keyboard cable; the other to the keyboard port on the terminal.

Data from the ScanPlus is sent in keyboard emulation format, affording immediate compatibility with the host's hardware and software.

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S	P	E	С	I	F	I	С	A	Т	I	О	N	S
				OPT	O-ELEC	TRONIC	DESIG	N FEAT	'URES				
Light	Source		Red Li	ED array	at 660 nm	1							
Image	Sensor		High resolution charge-coupled devices (CCD) linear image sensor										
Micro	processor		Intel 8	0C31									
Custo	m Hardwa	re	Propri	etary CM	OS standa	rd cell, e	quivalent	to 160,00	0 transistoi	īs.			
				PE	RFORM	ANCE (CHARAC	TERIST	ICS				
Scan I	Repetition	Rate	200 sc	ans/sec									
Narrow Bar Resolution			.004 ir	n. (.08 mi	m)								
Print Contract Ratio			25% minimum										
Depth	Of Field		To 1 in (25 mm) depending on density of code and print contrast										
Readin	ng Angle		± 60°	from ve	rtical								
Maximum Code Length			2.75 ir	n (70 mm	1)			.,					
Bar Code Formats			Code 39 (standard or full ASCII), UPC/EAN (in all lengths and variants), Interleaved and Standard 2 of 5, Code 128, Codabar, Ames, MSI, Plessey, Code 11, Code 93 (other codes available on request)										
Interface Capability			Wand, laser or CCD emulation, single or dual RS-232, TTL ASCII, OCIA (TEC or NCR format), IBM 4683 wedge to over 150 terminals and PCs, parallel (Fujitsu or Sweda type). For a complete list of supported terminals, see UBI 's Product Interface Guide										
Advan	iced Featu	res	User programmability of data format, variable timeout, code identification, interface identification, preambles and postambles, intercharacter and intermessage delays, and many others										
					PHYSIC	CAL CH	ARACTE	RISTICS	3				
Case N	Material		High is	mpact AE	BS plastic	with rubb	er end pie	ece					
Width Width Thicks Height Cord I Cord I	At Handle At Narrow At Head ness At Ha	west Point andle sting Surface tracted tended	1.8 in 1.3 in 3.0 in 1.2 in 1.4 in 59 in (138 in	(185 mm (45 mm) (32 mm) (77 mm) (31 mm) (36 mm) (1.5 m) (3.5 m) (190 g)									
					ELECTI	RICAL F	REQUIRI	EMENTS	1				
Power	r Requirem	nents	+ 5 VI	OC +/-	5% at 20	0 mA max	k, dependi	ng on co	nfiguration	, 5.5 V to	13 V unr	egulated	
					USI	ER ENV	IRONMI	ENT					
Opera	ting Temp	erature	32° to	122°F (0)° to 50°0	C)							
Storage Temperature			4° to 160°F (-20° to 70°C)										
Relativ	ve Humidi	ty	5% to	95% (no	n-conden	sing)							
Shock			Unit functions normally after four-foot drop onto commercial flooring										
Opera	tor Interfa	ice	On board beeper sounds on good read. LED mounted in handle turns on and off upon good read. Either or both operator interface signals can be deactivated by bar code menu										

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