

HAND-HELD COMPUTER

Janus® 2020

Benefits:

- **True MS-DOS 6.2 programmability**
- **Standard processor and large memory**
- **Flexible scanner, radio and PC-card configuration choices**
- **Full emulation of VGA display and PC-AT 101 keyboard**
- **Rugged design**

The Janus 2020 Hand-Held Computer is part of the most PC-compatible family of data collection products on the market. Featuring a widely compatible Intel 386 processor, true MS-DOS 6.2 programmability, 4 MB of RAM, and standards-based, open architecture, the Janus 2020 enables Information Systems personnel to easily integrate a data collection system with your existing infrastructure.

That easy integration, broad compatibility and familiar operation can help reduce support costs and minimize your cost of ownership throughout the life of the Janus 2020 system. And its proven reliability and flexible architecture help to ensure long years of dependable service even in harsh environments.

With its integrated pistol grip and scanner, the Janus 2020 offers powerful computer performance in a rugged, ergonomic hand-held unit. In addition, the Janus 2020 supports multiple connectivity options for terminal emulation and client-server systems. That broad support, together with user-accessible PC card slots and multiple radio frequency and scanner choices, make it easy to extend your Janus data collection system throughout the enterprise without having to support multiple products and platforms.



Janus® 2020

Physical Characteristics**Width:** 8.4 cm (3.3")**Depth:** 4.6 cm (1.8")**Length:** 20.3 cm (8.0")**Weight:** 753.53 g (26.58 oz)
(excluding NiCad battery pack)**NiCad battery pack:** 191 g (6.7 oz.)**Display**

16 lines, 20 columns, backlit

CGA compatible

Virtual 25 x 80 display with viewport

Keyboard Options

Large key (36 keys)

Full alphanumeric (54 keys)

Languages: English, German, Spanish, Italian, or French**IBM:** IBM 5250 TE or IBM 3270 TE**Environmental****Operating temperature:** -20° to 45°C
(-4° to 113°F)**Storage temperature:** -20° to 60°C
(-4° to 140°F) for less than two weeks.
-20° to 45°C (-4° to 113°F) for more than two weeks.**Humidity:** Non-condensing (0 to 95%RH)**Shock**

Withstands a one-meter fall onto concrete with no loss of configuration or memory

Power**Primary:** Sealed NiCad battery pack, 1,500 mAh, AC power supply**Backup:** Rechargeable lithium backup**Charging:** Two hours to charge NiCad with JZ2010 charger**Memory**

4 MB RAM, 512K Flash Drive C, 2 MB ROM Drive D, Type II PC card internal drive for pop-in memory and I/O expansion

Hardware

386SXL microprocessor

PC-AT compatible

Emulates full PC-AT 101 keyboard

Software

MS-DOS® 6.2

Microsoft QBasic

User-friendly configuration screens

Virtual Wedge™

IBM Terminal Emulation options

Microsoft Interlink/Interserver communications package

Interfaces

Infrared

DB9 via optical link adapter

I/O through Type II PC Cards

Data Communications

Infrared serial communications interface

RS-232C, RS-422, RS-485

Protocols: PC Standard, TCP/IP, SPX/IPX, LAT and more**2.4 GHz Wireless LAN Characteristics****Frequency band:** 2.4 GHz. Frequency range varies by country**Radio type:** WLI Forum-compatible:

Frequency Hopping Spread Spectrum (FHSS)

Radio power output: 100 mW**Radio data rate:** 1.6 Mbps per channel.

800 Kbps fallback rate for extended range

Channels: Supports 15 independent, non-interfering "virtual channels" (hopping patterns)**Range:** Up to 150 meter radius (500 feet). Indoors-unlimited, using roaming**Compatibility:** Fully interoperable with Model 0100 and Model 0110 Access Points as well as all WLI Forum products.**Security:** 20-digit security IDs available**900 MHz Wireless Data Communications****Frequency:** 902 - 928 MHz per FCC, Part 15**Radio Type:** Direct-sequenced spread spectrum radio**Data rate:** 122 Kbps**Channels:** 7**Bar Codes Supported**

Code 39, 2 of 5, Interleaved 2 of 5, Codabar, UPC/EAN, UCC/EAN Code 128, Code 11, Code 93, Code 49, ISBT

Regulatory Approvals

UL Listed, UL 1950; CSA Certified, C22.2 #950M89; TUV Licensed, EN 60950 and EN 60825-1 class II Laser, FCC Part 15, EN 55022 (CISPR 22), ETS 300-328, CE Marked, Non-incendive option, UL Listed, UL 1604 and C22.2 #213, Drv. 2 Locations, Class I, Groups A, B, C and D; Class II, Groups F and G; Class III (non-incendive version only)

Bar Code Scanning Module Options

*Measured with Code 39 Symbols

Integrated visible laser diode scanner

USA/Canada Class II, International Class 2

Depth of Field-Standard Range* (670nm)

5 mil	9-15.7cm	3.7-6.2"
10 mil	7- 35.3cm	2.9-13.9"
20 mil	10.2-63.5cm	+25"
30 mil	10.2-86.4cm	4-34"
40 mil	12.7-99cm	5-39"
55 mil	19.1-126cm	7.5-19"
55 mil retroreflective	105-151cm	41-59"
100 mil retroreflective	113-227cm	44-89"

Depth of Field-Long Range* (650nm)

5 mil	29.5-79.8cm	11.6-19.6"
10 mil	21.8-85.3cm	8.6-33.6"
20 mil	21.8-98cm	8.6-38.6"
30 mil	24.1-192cm	9.6-75.6"
40 mil	24-204.7cm	9.6-80.6"
70 mil retroreflective	192-110.5cm	83.6-209.6"
100 mil retroreflective	212.3-332.4cm	3.7-6.2"

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