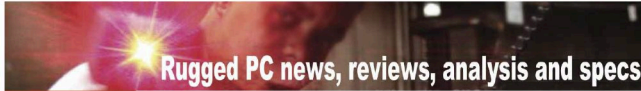


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JLT Mobile Computers celebrates 30 years in the rugged computing industry

This year marks a significant milestone for JLT Mobile Computers: three decades of pioneering rugged computing innovation. Since its founding in the early 1990s, JLT has witnessed and contributed to the remarkable transformation of the rugged IT industry, establishing itself as a trusted leader in delivering robust solutions for demanding environments, most recently with the upgraded VERSO™ Series and JLT1214™ Series. [See JLT Mobile media release] – Posted Thursday, December 12, 2024



FULL REVIEW: Cincoze DS-1402 IPC with dual PCI/PCIE expansion

The Cincoze DS-1402 is part of a line of compact but highly expandable industrial PCs that can accommodate up to two PCI or PCIE expansion cards for graphics, AI, or custom cards. The DS-1402 can be equipped with a very wide range of CPUs, from Intel 12th gen Celerons and Pentiums all the way up to a 32-thread Intel 13th gen "Raptor Lake-S" Core i9-13900E. Capable of performance meeting or exceeding that of high-end rugged laptop workstations, the Cincoze DS-1402 is a modern embedded system that supports a wider range of I/O and expansion options than most in a package that is still compact enough to fit almost anywhere. [See full review of the Cincoze DS-1402 IPC] -- Posted Wednesday, December 11, 2024



FLIR Introduces Scout Pro thermal monocular for law enforcement and public safety professionals

FLIR, a Teledyne Technologies company (NYSE:TDY), introduced the FLIR Scout Pro, a next-generation thermal monocular designed to meet the rigorous demands of law enforcement and public safety professionals. Building on a legacy of reliable FLIR thermal monoculars, the Scout Pro offers exceptional situation awareness with its 32-degree field of view, allowing users to detect humans up to 500 meters (1,640 feet).



Comparison Tools >>>

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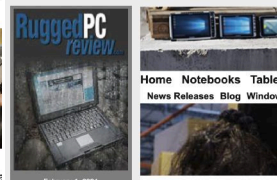
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Recent reviews/additions

- Cincoze DS-1402 IPC
- Janam XRE UHF RFID reader
- Getac F110 G7
- DT Research DT302RP convertible
- Teguar TP-5710-2H HIML panel PC
- Conker NS65



Rugged Handhelds and PDAs

Ruggedized vertical market handheld computers and rugged PDAs are the unsung heroes of the mobile computing revolution. They are tough tools for the job, and their impact on productivity and the financial bottom line can be tremendous. (By Conrad H. Bickelmeier)

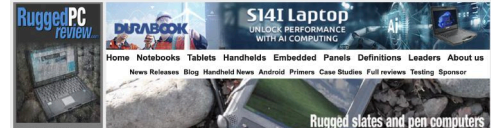
Not too long ago it was unthinkable to expect computing power away from the desk, and then a time when it was unthinkable to have it where you need it most: out in the field and on the job. As a result, field force workers had to make do with pen and paper that often resulted in errors, delays, and an inability to access and forward data when it was needed most.

About two decades ago, some companies began using pen computers for such field work, and some of those applications were quite successful. But full-rugged pen computers cost a lot, and thus computer penetration in field force applications remained low. That is now changing with the emergence of tablet computers and relatively low cost handhelds that benefit from the great advances in consumer market smartphone technology.

Most of the devices you see in this section use the same electronic components you find in a conventional Pocket PC or PDA, but they are packaged in tough, rugged shells and

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Rugged Tablets

Perfect for when you don't need a keyboard
 Slates or tablets are computers without a physical keyboard. The entire computer is built into a tablet-like enclosure that is as thin and handy as possible. Since they don't have a physical keyboard, tablets use touch and other non-passive or active digitizer pens for input. In early pen computers, the pen was used both to replace the mouse or joystick for navigation, and sometimes also to actually enter text.

Tablet computers may use a passive digitizer that can be operated with a stylus or even a finger. Active digitizers (which became included in 2011 by Microsoft's Windows 8™ Tablet PC Edition) use an electromagnetic digitizer with a special pen. Some pen tablets can automatically switch between passive and active digitizers. All pen tablets have on-screen keyboards or you can, of course, use a standard keyboard. And since the advent of the Apple iPhone and iPad, more and more rugged tablets use capacitive touch either by itself, or in conjunction with a stylus or pen.

Tablets are perfect for many field applications where low weight and maximum portability are crucial. Some ruggedized tablets weigh barely more than two pounds. Others are heavily sealed and ruggedized and can be used in almost any environment.

A variant of the "tablet" tablet computer is the notebook "convertible." Convertibles are standard notebooks with digitizers that fold and then lay down flat on top of the keyboard/system unit, converting the notebook into a side computer tablet, a relatively heavy one.



Rugged Handheld Reviews

- HANDEHD.COMPARISON TABLE
- 2T HANDGEAR
- 2T Hydrus (RM)
- 2T Hydrus Luna
- 2T JETTYX
- 2T JETTYXL
- 2T M4
- 2T Safari
- 4P FDA300
- 4P FDA600
- Aconex MEZ1100
- Aconex MEZ1200
- Aconex PVA32
- Advantech MARS-16301031
- Advantech PWS-8023M
- ADLINK IMX-2000
- ADLINK IMX-9100
- Amrad APEX A1153
- Amrad DAP+
- Amrad DAP-S
- Amrad D87
- Amrad DFT+
- Amrad DFT-AD
- Amrad GSD
- Amrad GSD-5
- Amrad GSD-5
- Amrad GSD-5
- Amrad GSD-5

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Cincoze DS-1402

A very compact high performance expandable and modular rugged embedded computer with dual PCI/PCIe expansion slots
(By Conrad H. Bickensdorfer)

In this report we're looking at another specialized type of computer from Cincoze, a Taiwan designer and manufacturer of Panel PCs as well as application-driven embedded rugged systems. The Cincoze DS-1402 is part of a line of very compact fanless industrial computers that provide not only exceptionally rich wired I/O, but also access to industry-standard PCI and PCIe-based expansion that usually requires much larger packages.



Cincoze calls their DS-1402, which is part of the DS-1400 Series, a "high-performance, expandable, and rugged embedded computer, boasting outstanding performance as well as rich industrial I/O interfaces and robust functionalities." The company also highlights dual PCI/PCIe expansion capability, flexible I/O expansion, as well as the ability to customize the units via Cincoze's unique, proprietary CMI, CFM, and MEC modules. Cincoze sees modular customization options as their differentiating strategic advantage over competing products. DS-1400 models can be equipped with an unusually wide range of socket-type Intel CPUs for use in numerous computing deployments, from low to high-end. The machine is built to

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Janam XR2 UHF RFID Reader

Bringing speed, accuracy and affordability to asset management and control in supply chain operations and beyond
(By Conrad H. Bickensdorfer)

Janam, which since 2022 has been part of HID, is a New York-based rugged mobile computing vendor with worldwide distribution. Janam was initially established in 2005 as a provider of purpose-built rugged handheld computing devices for mobile workers. In March 2024, the company introduced its XR2 UHF RFID Reader, an all-in-one device designed for real-time tracking and the provision of comprehensive visibility into the location and status of assets/items throughout the entire supply chain.



With their latest new product, the XR2 UHF RFID Reader, Janam therefore sets its sights on warehouse, manufacturing and logistics operations that require automation and fastest possible identification and asset tracking in challenging environments.

Specifications Janam XR2	
Added/changed	Added 11/2024
Form-factor	UHF RFID reader
CPU	Octa-core 2.45GHz Qualcomm Snapdragon 662
OS	Android 13 with Google Mobile Services (GMS), upgradeable to Android 15
RAM/mass storage	4GB/64GB
Card slots	1 x user-accessible micro-SDXC (256GB), Nano-SIMx2
Display type	Daylight readable, LED-backlit IPS TFT with Corning Gorilla Glass
Display size/res	5.7"/720 x 1400 pixels
Touch	Capacitive multi-touch, dual input mode with finger, gloved finger and stylus; water droplet rejection; anti-fingerprint and anti-smudge coating
Keys/buttons	Power/lock, 2 x scan, volume up/down
Navigation	touch, stylus
Housing	Plastic/rubber
Operating Temp	-4" to 140°F (-20" to 60°C)
Sealing	IP65
Shock	4 foot drops to concrete
Turnbles	400 1-meter turnbles
Size (WxHxD)	5.64 x 8.65 x 3.56 inches (143 x 189 x 91 mm)

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Rugged computing industry leaders

GETAC

Offering a full line of rugged portable computers

GETAC rugged PC products have met the challenges of military, field service and sales force, public safety, utility, transportation, telecommunication, construction, heavy industrial, mining and refining applications for over a quarter of a century. GETAC, a key subsidiary of MITAC-Synnex Business Group, is a flexible supplier, allowing our customers to incorporate a variety of options and custom products to meet their unique specifications.



We are valued partners for our VARs and OEM customers. Our superior R&D capabilities and commitment provide customers with sophisticated, rugged portables that make us the complete supplier of rugged computing solutions for a mobile workforce. Our products are fully supported worldwide by our resellers and service providers. Our staff and partners strive to treat every customer and prospect as our most important customer, delivering the highest, most responsive service to each and every company.

GETAC understands that the product life cycles of its customers are much longer than the computer industry technology cycles. To support our customers, we use the same mechanical design for a form, fit, and function support while continually enhancing the computers' processing power. This consistent support provides true cost-effective solutions while delivering the product support required by our military, government, and industrial customers.

Rugged portable computing products are designed to help people working in the toughest environment; however, some limitations are applied to the standard platforms to accommodate all different industrial applications. To better assist customers overcoming this challenge, GETAC offers professional customization services.

GETAC News

FULL REVIEW: Getac F110 – 7th gen of a classic

The Getac F110 is a fully rugged Windows 11 based high-performance tablet computer with a 11.6-inch capacitive multi-touch display. The F110 can be used as a tablet or, in conjunction with an optional detachable keyboard, as a laptop computer. Now in its 7th generation, Getac's rugged thin & light 11.6-inch tablet goes Raptor Lake (Intel 13th generation CORE), ups speed, versatility, usability and security. [See full review of the Getac F110 G7] - Posted Friday, October 4, 2024 by ctb


Getac's Essentials Suite enhances operational efficiency and device management capabilities across the industries

Getac today announced the launch of its Essentials Suite, a comprehensive collection of powerful software solutions designed to help organizations overcome operational challenges and enhance field worker efficiency across the industries. Getac Essentials Suite is designed to solve these issues. It consists of three core elements — Essential Control, Essential Apps, and Essential Utilities — each delivering transformative, industry-specific tools that helps users administer, manage, and maintain every stage of their rugged devices' lifecycle. [See Getac's media release - Posted Tuesday, October 1, 2024 by ctb]

Getac blog: How rugged technology vertical integration can improve officer safety

The Getac USA blog recently featured an article by Scott Worley discussing how vertically integrated manufacturing of rugged technology can deliver significant performance benefits to end users in many segments. Rugged tablets, laptops and video technology have become essential tools for law enforcement, offering critical support in communications, situational

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SPECIAL REVIEW

MobileDemand xTablet T1180

IMPRESSIVELY RUGGED 8TH GENERATION "AMBER LAKE" CORE POWERED 11-1/2" WINDOWS 10 TABLET FOR HEAVY-DUTY MOBILE WORKFORCE APPLICATIONS, INDOORS OR OUTDOORS

MobileDemand has introduced the new 11.5" rugged tablet computer, the MobileDemand xTablet T1180. This rugged tablet is designed for heavy-duty mobile workforce applications, indoors or outdoors. The T1180 is powered by the 8th generation Intel Amber Lake processor, offering high performance and energy efficiency. It features a 11.5-inch capacitive multi-touch display, a rugged camera, and a variety of I/O options. The T1180 is built to withstand harsh environments, with a drop resistance of 4 feet to concrete and an IP65 rating. It also features a long battery life and a fast charging capability. The T1180 is available in a variety of configurations, including different storage options and accessories. For more information, visit the MobileDemand website.

Series tool for the job

The T1180 is part of the MobileDemand rugged tablet series, which includes the T1180, T1180 Pro, and T1180 Max. Each model is designed for specific mobile workforce applications, offering a range of features and capabilities. The T1180 is the most compact and lightweight model, while the T1180 Pro and T1180 Max offer more advanced features and larger displays. All models are built to be rugged and reliable, with a long service life. The T1180 series is a versatile and powerful tool for mobile workers, offering a range of options to meet their needs. For more information, visit the MobileDemand website.

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