

Pocket CowCard and Handheld Devices

12/20/10

Pocket CowCard (PCC) is the version of DairyCOMP305 that runs on handheld devices (PDAs). VAS has evaluated a number of these handheld devices for compatibility with PCC as well as suitability for our clients' environmental operating conditions. As with any technology, VAS will be evaluating new hardware as it becomes available.

This factsheet represents VAS's current offerings and suggested units (Dec, 2010). The devices are divided into three main categories:



Category 1: Current VAS Role: Hardware plus PCC Software Sales and Support

VAS currently sells two hardware solutions in addition to Pocket CowCard software sales and support. These two solutions were selected after extensive testing and consideration of the needs of our clients.

	
<p>Psion WorkAbout Pro G3</p>	<p>Trimble NOMAD 800L</p>

Category 2: Current VAS Role: PCC Software Sales and Support

These units are being used by clients for PCC. VAS does not currently sell these units, but does offer PCC software sales and support for them.

	
<p>HP IPAQ 111</p>	<p>HP IPAQ 211</p>

*** Pocket CowCard Read-Only for Android phones is now available. Please contact VAS for supported devices and details if you're interested.**

Category 3: Current VAS Role: Other Units Known to Support PCC

These handhelds have either been used in the past with PCC or have undergone testing. Most of these units are no longer in production.

These units are out of production, but are viable alternatives for use with PCC:

- Axim X51
 - HP IPAQ hx2490b
 - Psion G1
 - Psion G2
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These units have been used, but VAS does not recommend the purchase or use of these units as they have some limitations.

- Axim X3i
 - Axim X30
 - Axim X50
 - Axim X5
 - Intermec 730
 - Unitech PA600
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More Detailed Specifications on Category 1 and Category 2 Devices Follows.

Current VAS Role: Hardware plus PCC Software Sales and Support

Psion WorkAbout Pro G3 S

Specification	Details
Price	Contact VAS for QUOTE
Operating System	WM 6.1 Professional
Processor	PXA270M 624 MHz
Memory	256 MB RAM and 1GB Flash ROM
Slots	Compact Flash Type II + SD
Battery	4400 mAh Lithium-Ion
Operating Temp Range	Minus 4 to 122F
Connectivity	WiFi: as an Option (see specs) BlueTooth: 2.0 with EDR; USB: through ActiveSync/Mobile Device Center using Docking Station Cabled Ethernet: 10/100 Mbit Psion adapter with cable included Docking Station: included with standalone battery charger
Display	Colors: Full VGA color touch screen; Resolution: W 480 x H 640 pixel; Viewable image: 3.7 inch diagonal
Specifications	http://www.psionteklogix.com/documents/us/WORKABOUTPRO3_Spec_Sheet_NA_EN.pdf

Advantages

Ruggedized design with an IP65 rating it is completely sealed against dust and can be sustain rain and spray rinsing. (when properly sealed). 26 drops to concrete from 5 ft all angles.

An optional integrated RFID reader can be installed with a choice of attachable wand sizes for improved performance cow side. This integrated reader leaves one hand free for data entry as there is no separate Bluetooth scanner. The 100 -PIN expansion interface design provides for a range of hardware modules and add-ons to change as your needs change.

4400 mAh battery for long unit operation and easy swap out of battery thru tool free door latch

Tethered Stylus with Hand Strap Included

Secured SD Slot latch prevents card from dislodging

User changeable internal backup battery

Screen can be read in direct sunlight

Keypad and touch screen data entry options

Windows Mobile 6.1 Professional provides broad range of BT headset compatibility.

Disadvantages / Considerations

This unit does not have a standard headset jack.

Current VAS Role: Hardware plus PCC Software Sales and Support

Trimble NOMAD 800L

Specification	Details
Price	Contact VAS for QUOTE
Operating System	WM 6.0 Classic
Processor	Marvell XScale 806 MHz
Memory	128 MB DDR SDRAM and 1 GB Flash ROM
Slots	Compact Flash Type II + SD
Battery	5,200 mAh Lithium-Ion
Operating Temp Range	Minus 22 to 140F
Connectivity	WiFi: 802.11b/g with WPA2 security BlueTooth: 2.0 with EDR; USB Cable: through ActiveSync/Mobile Device Center
Display	Colors: 256 K colors (VGA) 16 bit color touch screen; Resolution: W 480 x H 640 pixel; Viewable image: 3.5 inch diagonal
Specifications	http://trl.trimble.com/docushare/dsweb/Get/Document-433883/NZ022490-030E_MCSTrimble_Nomad_DS_0709_LR.pdf

Advantages

Ruggedized design with an IP67 rating it is completely sealed against dust and can be submerged in up to one meter of water for 30 min. (when properly sealed) 26 drops to plywood on concrete from 4 ft all angles.

With 3rd party 10/100 Mbit Ethernet adaptor and correct configuration, this unit allows Ethernet connection by cable

5,200 mAh battery for long unit operation

Tethered Stylus with Hand Strap Included

Can use a 2.5mm tethered headset

Screen can be read in direct sunlight

Keypad and touch screen data entry options

Disadvantages / Considerations

Requires A2DP profile BT Headsets to work with this unit

This unit does not have a standard headset jack.

Current VAS Role: PCC Software Sales and Support

HP IPAQ 111 models are being used by some clients.

Specification	Details
Operating System	WM 6.0 Classic
Processor	Marvell PXA310, 624 MHz
Memory	64 MB SDRAM and 256 MB Flash ROM
Battery	1,200 mAh Lithium-Ion
Slots	SD only
Operating Temp Range	32-113F
Connectivity	WiFi: 802.11b/g with WPA2 security BlueTooth: 2.0 with EDR; USB: through ActiveSync/Mobile Device Center
Display	Colors: 65 K, 16 bit color touch screen; Resolution: W 240 x H 320 pixel; Viewable image: 3.5 inch diagonal
Specifications	http://h18000.www1.hp.com/products/quickspecs/12780_na/12780_na.PDF
Advantages	
Low Cost	
Disadvantages / Considerations	
Not designed for wet conditions and is not moisture resistant or ruggedized in any way	
Only connection options to DC305 are Wireless or through ActiveSync/Mobile Device Center	
Speaker on back of unit requires use of headset when enclosed in a protective case.	
Power button is located on the right side of the unit which makes it impossible to turn off when in protective case such as the Otterbox 1900. 2600 case would offer protection but would have to be opened to reach power button. The 2600 protective case does not accommodate a tethered headset.	
Battery Life is limited due to only having a STANDARD size battery. Third party batteries may void warranty especially Hi capacity versions	
Screen is not designed for readability in sunlight.	
SD card can dislodge on a drop	
Consumer grade units don't have long product support life	
Not for use on large herds due to memory limitation	

Current VAS Role: PCC Software Sales and Support

HP IPAQ 211 models are being used by some clients.

Specification	Details
Operating System	WM 6.0 Classic
Processor	Marvell PXA310, 624 MHz
Memory	128 MB SDRAM and 256 MB Flash ROM
Slots	Compact Flash Type II + SD
Battery	2,200 mAh Lithium-Ion
Operating Temp Range	23 -113F
Connectivity	WiFi: 802.11b/g with WPA2 security BlueTooth: 2.0 with EDR; USB: through ActiveSync/Mobile Device Center
Display	Colors: 65 K, 16 bit color touch screen; Resolution: W 480 x H 640 pixel; Viewable image: 4.0 inch diagonal
Specifications	http://h18000.www1.hp.com/products/quickspecs/12781_na/12781_na.PDF
Advantages	
Low Cost	
Larger viewable screen	
3,800 mAh Lithium-Ion is available as an option	
Disadvantages / Considerations	
Not designed for wet conditions and is not moisture resistant or ruggedized in any way.	
Only connection options to DC305 are Wireless or through ActiveSync/Mobile Device Center	
Speaker on back of unit requires use of headset when enclosed in a protective case.	
Unit does not fit in Waterproof protective cases properly. Otterbox 1900/2600 are too small.	
Screen is not designed for readability in sunlight.	
SD card can dislodge on a drop	
Consumer grade units don't have long product support life	