

UMD's newsletter on Edgeware products & solutions.

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New Agency – Convergence Systems Limited

UMD is pleased to announce the introduction of a new RFID agency: **Convergence Systems Limited (CSL)**



“CSL Receives Frost & Sullivan's Best RFID Product Award 2009

Leading RFID consulting firm confirms that CSL has really set a new benchmark for RFID hand-held reader performance

Hong Kong, China, January 6th, 2010- Convergence Systems Limited has been awarded the 2009 Asia Pacific Frost & Sullivan Product Differentiation Excellence Award for the RFID Readers Market. This award is presented to Convergence Systems Limited for their innovation of an RFID handheld reader which performs as good as a fixed reader with twice over the level of performance than similar hand-held readers available in the market today.

The Frost & Sullivan Award for Product Differentiation Excellence is presented each year to the company that has best demonstrated the ability to develop and/or advance products with more innovative capabilities than competing vendors and products. This Award recognizes the company's successful adoption of new or existing technology that has become a part of its well-designed product family. Such innovation is expected to significantly contribute to the industry in terms of product performance and degree/rate of technical change.

"The CS101 handheld RFID reader manufactured by Convergence Systems Limited (CSL) provides a new benchmark in terms of price performance ratio as well as in terms of portability without compromising on features. CSL leverages its strong product development and R&D team, combined with its integrated manufacturing and testing facility in China, to provide a compelling value proposition to its clients and prospects to spur RFID adoption in Asia and globally," says Sanjay Singh, Asia Pacific Vice President of Industrial Technologies Practice, Frost & Sullivan.

CSL has received high-tech certification from the government of China. According to the Chinese government, CSL produces technology (UHF RFID) that they consider as important for China's vast manufacturing activities.

"We are extremely proud to have received this award from such a prestigious firm as Frost & Sullivan. When we launched CSL's hand-held development effort, we listened to many companies in the industry and we tried to incorporate as many of their requested features as possible. Hopefully, we have met the majority of their application needs," says Jerry Garrett, Managing Director of Convergence Systems Limited.

CSL's CS101 is certified to be used in USA/Canada, Europe, Japan, China, Taiwan, Malaysia, Singapore, Hong Kong, Australia, South Korea, amongst others. The design of the reader antenna, varies by country depending on their needs, and is customized accordingly. They can be horizontal linear polarization, vertical linear polarization or circular polarization to meet the requirement for different application scenarios. "

(for detail see: http://convergence.com.hk/F&S_Press_Release_1.0_%20CSL.pdf)

Product Summary – Convergence Systems

Convergence Systems Limited - CS101 Hand Held FRID Reader



The Convergence Systems Limited CS101 is a UHF EPC Class 1, Gen 2 hand held RFID reader with industry leading read range and read rate performance to enable ultra fast inventory of cases on pallets, warehouse shelves, moving vehicles, and other tagged items in business processes where fixed reader class performance is required in a portable device.

It is ideally suited for warehousing, transport and logistics applications where long read range is required. The CS101 is provisioned as a complete kit including batteries, chargers and software, including demo software, ready to go.

Source code software includes: read/write tags, tag inventory, tag ranging, tag search, tag authentication, tag association, tag commissioning, barcode scanning, database manipulation, wireless network transfer, server side software drivers etc. All complete with SDK and source code.

Features:

- Mobile UHF RFID ISO18000-6C EPC Class 1, Gen 2 Reader
- Excellent read range: 7 meters open space, 7 - 11 meters indoor confined space
- High read rate: typically 150 tags per second for selected Gen2 profiles (peak at 400 tags/s)
- Choice of vertically linear polarized or horizontally linear polarized antenna
- Integrated 1D & 2D Image scanner
- QWERTY keyboard with Touchscreen
- IEEE802.11 b/g WiFi, USB and RS232 Interfaces
- Ruggedized design: Drop Test 1.5 meters on 6 surfaces, IP65
- Source Code Samples
- Optional GSM/GPRS+GPS Add On Module
- 12 month warranty

Ordering Information and Pricing

Part Number	Model Number	Description	LIST	
			Inc GST	Ex GST
CS101-V	CS-101	Hand Held RFID Reader (kit) Vertical Polarisation	\$3,300.00	\$3,000.00
CS101-H	CS-101	Hand Held RFID Reader (kit) Horizontal Polarisation	\$3,300.00	\$3,000.00
Kit includes reader, main battery, spare battery, battery charger and power supply, shoulder belt, cables and software.				
[B] Options				
CS501	CS-501	GSM/GPRS Plug In Module for CS-101	\$1,210.00	\$1,100.00

Convergence Systems Limited - CS203ETHER Integrated UHF RFID Reader



CSL's CS203ETHER is an all weather, ruggedized, Ethernet connected, UHF EPC C1G2 Integrated RFID reader, with long read range and a high read rate. This integrated reader is extremely versatile and can be used in all environments, indoor or outdoor, and for all verticals, whether they are warehouse dock door, forklift, car park entry gate, outdoor patrolling vehicle, highway toll station, livestock farm, slaughter house, container port, etc. The CS203ETHER is uniquely offered with either left hand or right hand circular polarization, allowing it to be deployed in the most extreme dense reader environment – face to face close range deployment.

Features

- Certified to the EPCglobal Class 1 Gen 2 UHF RFID protocol
- Ruggedized integrated reader with long read range
- Dense Reader Mode (DRM) option available
- Global frequency coverage (Factory set selection)
- Ethernet connectivity, with POE (Power-over-Ethernet)
- Unique offering: choice of Left Hand Circular Polarization or Right Hand Circular Polarization
- Best of breed antenna performance: excellent axial ratio to give best read zone control
- 12 Month Return to Base Warranty

Ordering Information and Pricing

Part Number	Model Number	Description	RRP	T %
			Inc GST	
[A] Convergence Systems Limited CS203 UHF RFID Reader & Antenna				
CS203E-4-LHCP	CS203E-4-LHCP	UHF Integrated Fixed Reader/Antenna with Ethernet - LHCP	\$1,320.00	10%
CS203E-4-RHCP	CS203E-4-RHCP	UHF Integrated Fixed Reader/Antenna with Ethernet - RHCP	\$1,320.00	10%

Convergence Systems Limited - CS461 Fixed UHF RFID Reader



The CS461 is a 4 Port, Fixed, UHF RFID reader, with an industry leading embedded event engine and function API's, to enable an unprecedented level of intelligence and automation in a reader. In addition, the reader is powered by Impinj technology to give it the best read rate, range and density read performance in the industry.

The CS461 intelligent embedded agent software is based on HTTP/XML/TCP/IP protocols. Features include:

- Event Agent - event triggered actions, event can be GPI events (eg. motion sensor, IR, PIR) Designated Tag ID events (Tag ID Boolean Mask, Tag within Tag Group) etc. action can be tag upload, GPO action (level change or pulse or pulse train), write tag operations. etc.
- Combo API commands - sequence of commands, such as write and read verify, read-duplicate filter-send first and last etc.
- Tag group management - download tag group, upload tag group, use tag group as GPI events etc.

Features

- Certified to the EPCglobal Class 1 Gen 2 UHF RFID protocol including dense reader mode
- Sophisticated data handling for efficient management of large streams of tag data on LAN resources
- Highly configurable buffering and tag filtering modes
- Compliant to the ISO 18000-6 type-C UHF RFID Standard 640 kbps tag-to-reader data rates
- Robust performance in dense-reader environments
- Excellent in transmit and receive mode – generates a different combination of unique reader-to-tag command rate, tag-to-reader backscatter rate, modulation format, and backscatter type
- Tremendous savings by using a single transmit/receive antenna for each of its four points ultra high inventory rate, read rate and tag velocity
- Settable and configurable parameters offer maximum throughput and optimal performance
- Supports all Gen 2 commands, including write, lock and kill
- Standard Ethernet connectivity
- Embedded Intelligent Agent Software
- 12 Month Return to Base Warranty

Ordering Information and Pricing

Part Number	Model Number	Description	RRP	T
			Inc GST	%
[A] Convergence Systems Limited CS461 UHF RFID Reader				
CS461-5	CS-461	Fixed 4-port UHF RFID Reader	\$3,080.00	10%
[B] Antennas				
CS771-2-L	CS-771-2-L	UHF Antenna, LHCP, Directional Patch	\$286.00	10%
CS771-2-R	CS-771-2-R	UHF Antenna, RHCP, Directional Patch	\$286.00	10%
CS777-4	CS-777-4	UHF Antenna, Near Field (Round 30cm)	\$330.00	10%
CS778-4-S	CS-778-4	UHF Antenna, Near Field (Square 30cm) - Side Cable Entry	\$253.00	10%
CS778-4-B	CS-778-4	UHF Antenna, Near Field (Square 30cm) - Bottom Cable Entry	\$253.00	10%
CS718-4	CS-718-4	UHF Access Control Antenna	\$319.00	10%
CS713-4	CS-713-4	UHF Access Control Antenna with LED/Buzzer/Gate Control	\$363.00	10%
[C] Cables				
CS801-3.6	CS-801-3.6m	Antenna Cable, UHF 3.6m	\$55.00	10%

For a full literature kit, please contact: sales@umd.com.au

Related Links

Convergence Systems: <http://www.convergence.com.hk/>

UMD can offer the full range of CSL products (readers, antennas, tags and RTLS systems)

As usual, please contact sales@umd.com.au for any queries.

Kind Regards,

Customer Service Team

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