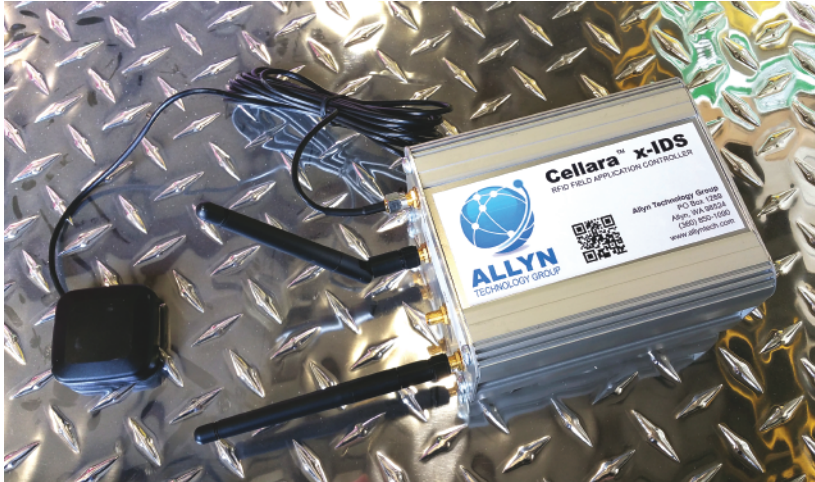


# InstantRFID™

## Field Asset Tracking and Management



Allyn Technology Group has combined the power of our Cellara™ line of cellular-enable field application controllers, and IDENTEC SOLUTIONS' Long Range Active RFID reader and tag technologies to create InstantRFID™, our most powerful automated asset capture and tracking solution yet.

Available in both Fixed and Mobile configurations, InstantRFID™ installs in less than 30 minutes and will have you locating and managing your equipment assets the very same day.

Our SenVU.net Web Portal allows you to configure the reader call-in schedule, the asset name and inventory id for each RFID tag, and provides a fast, easy way to see where your equipment was last located using a standard web browser. For even tighter integration, full software APIs are available for most software architectures.

### Asset Tracking and Site Management

Right equipment, right job site. It sounds simple, but in today's fast-paced construction environments it's a downright challenge. Borrow a piece of equipment you didn't know you needed, or grab a replacement part for one that broke, and now your Inventory Ledger doesn't match the Client Invoice.

With InstantRFID™, you get up-to-the-minute equipment location without the Site Foreman ever leaving the truck. Long-range, active RFID tags provide asset identification and visibility up to 1,500 feet away, and GPS location technology lets you know where the asset was last located.

What, Where, When... Why not?

### Revenue Capture

How many rental dollars have you lost because your client didn't get billed for a piece of equipment being used on their site? With InstantRFID™, you can compare on-site equipment manifests with your customer rental invoices to be certain you don't miss equipment rental income. Get notified when a new piece of equipment arrives at a job site, or when it shows up somewhere else unexpected. Inventory is expensive, we help you keep track of it so you can get paid what you're owed.

### Inventory Efficiency

Wonder why you have three skid steers at a job site that's only supposed to have one? Need a skid steer now but not sure where they all are? Know immediately with InstantRFID™. Each RFID reader records the GPS location and asset identity of every asset it sees, and reports that information to our SenVU.net software platform. The last known location of every asset you own is only a web click away. Go get it.

### Loss Prevention

Never leave a backhoe bucket behind again. With an InstantRFID™ mobile reader and our 1,500-foot read range, your gear can't hide in the mud or bushes any more. Reconcile your Inventory Ledger with the last reported position of each asset, and even if you can't see it with your eyes, we'll find it with RFID. Long battery life, long read range... so long lost equipment.

### Contact Us Today

Learn more about our complete line of Field-Ready RFID Application Solutions. Contact us today and speak with our experienced team.

#### ALLYN TECHNOLOGY GROUP

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**CELLARA™ X-IDS RFID APPLICATION CONTROLLER**



**Cell Modem**

CDMA	Dual-band CDMA 800 / 1900 MHz
GSM	Quad-band EGSM 850 / 900 / 1800 / 1900 MHz

**Features**

Serial communications	2 serial ports, configurable as RS-232, RS-485 or RS-422
Protocol support	MODBUS RTU, IDENTEC i-PORT
Outputs	Optional transistor or relay-switched power outputs
Inputs	Optional switch sensing inputs
Storage	4 or 8 Mbytes on-board, available in the event of loss of cell/server access. Store-and-forward operation

**Power**

Primary power	12 – 24 VDC primary and Solar panel inputs
Battery	Li-Ion, Li-Po or SLA Rechargeable battery backup
Charging	Built-in battery charging capability
Standby current	150 µA
Typical battery life	When equipped with 2500 mAh 11.1V Li-Ion battery (no external power) before recharge is required: 3 months with 1x per hour check-in 12 months with 1x per day check-in

**IDENTEC SOLUTIONS i-PORT M READER MODULE**

**Performance**

Response read/write range	Up to 250 m (800 feet) @ free air*
Broadcast read range	Up to 500 m (1600 feet) @ free air*
Simultaneous identification	Up to 2,000 tags

\*The communication range depends on the antenna type, the antenna cable runs and the environmental conditions

**Communication**

Frequency	868 MHz (EU), 915 MHz (NA) ISM Band
Certification	EN 300 220 (EU), FCC Part 15 (US), Industry Canada
Response communication rate	19,200 – 115,200 kbits/s
Number of antennas	2
Transmit power	≤ 1 mW/+10 dBm, depending on national regulations, software adjustable
Transmission safeguard	16 bit CRC
Sensitivity	-90 dBm / depending on data rate

**IDENTEC SOLUTIONS i-MARK POSITION MARKER**

**Position Marker**

Compatibility	ILR® i-Q and i-B Tags w/Marker feature
Frequency	125 kHz
Modulation	100% AM
Range (adjustable)	Up to 3.5 m (11 feet)
Position data	16 bits (programmable)
Loop area	Integrated (i-MARK 2), configurable (i-MARK 3)
Pass-over velocity	Max. 100 km/h (62 mi/h)

**Physical**

Cellara™ X-IDS Dimensions	202 x 152 x 89 mm (8" x 6" x 3.5")*
i-MARK Dimensions	285 x 202 x 60 mm (11.2" x 8" x 2.4")
Enclosure	Plastic / Aluminum
Weight	800 g (1.7 lbs)
Enclosure rating	IP 54

\*controller only, batteries, antennas, and installation hardware not included in dimensions