Ethernet   Alternate   PC   PC Activity   Flash Drive   Flash Activity   Success   Error

Network Master

AGCO
Your Agriculture Company

Professional Facility Management

AP's Network Master helps monitor and manage vital aspects of your production operation including feed consumption and inventory, temperature and water units.
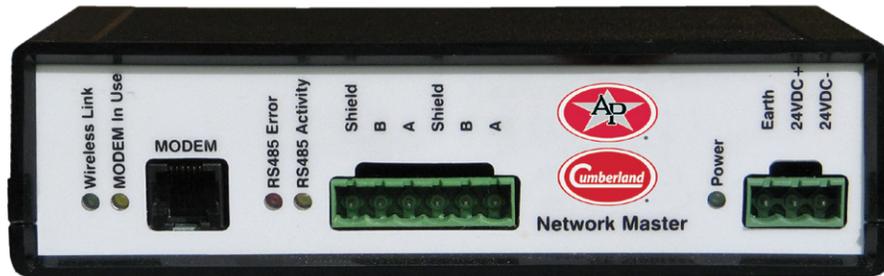
NETWORK MASTER 2 SUPPORTS:

- Up to 50 feed bin display units
- Up to 25 SmartIR II units
- Up to 8 temperature and water units

- Up to 32 Expert VT110, PN110, VP18 or Natural Controls*
- RF modules wirelessly communicate between devices*
- Up to 16 different notification contacts

*Expert controls require a wired connection to the Network Master. Total wired network can span 4,000 ft.
Annual fee-based service required for emails and texts. First year of service free of charge with initial purchase of Network Master.
A data-ready phone line or internet connection is required to allow the internal modem to communicate with the server.
An installation fee may apply. Online storage of data for 1 year.

"The impact of pigs going without feed is huge. Lost gains, ulcers, hemorrhagic bowel, twisted intestine, tail biting and the resultant mortality are all expensive issues. A system that helps us maintain feed inventories would definitely pay dividends."
Dr. Brian Schantz, DVM

FEED BIN DISPLAY UNITS
AP's Network Master can monitor up to 50 feed bin display units providing timely information of feed inventory. In conjunction with AP's load cell assemblies and the Feed-Link system, AP's Network Master can report feed levels without time consuming manual checks.

FEED DELIVERY STATUS
The SmartIR II units control Flex-Flo™ auger operations while relaying all information to the Network Master which can notify of system malfunctions such as max run time or idle time events.

TEMPERATURE AND WATER UNITS
AP's Network Master can monitor daily hi-lo temperatures, water consumption, and more! Select up to 16 different contacts to receive notifications via email or text messaging.
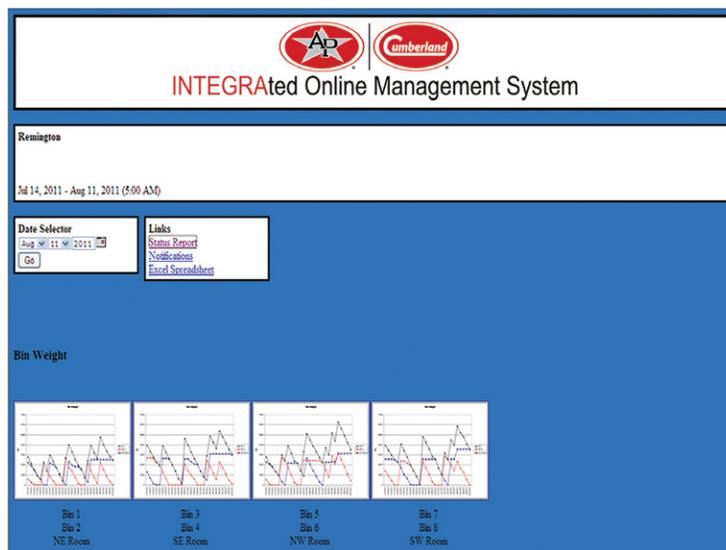
REMOTE MONITORING

Information made available via the Network Master is just a click away. The online dashboard provides access to real time statistics as well as historical data to help you better evaluate and monitor vital facility operations.

- 28 day graphical history

- Data stored for 1 year

- Click on graph for larger view

- Customized graphs via excel downloads of 28 day data

Need on-the-go access? Download the Feed-Link Now! app to your Apple, Android or Windows PC device for remote access (internet access required) to your Network Master data. Feed-Link Now! monitoring options include feed levels, cumulative daily auger run times, cumulative water consumption, and current temperature. In addition, Feed-Link Now! provides email or text notifications of system failures due to power loss or parameters falling outside of predefined thresholds.

Talk with the Experts

Connect your Expert controls† to Network Master and gain remote viewing of Expert controller data via the Feed-Link NOW! app*.

EXPERT VT-110

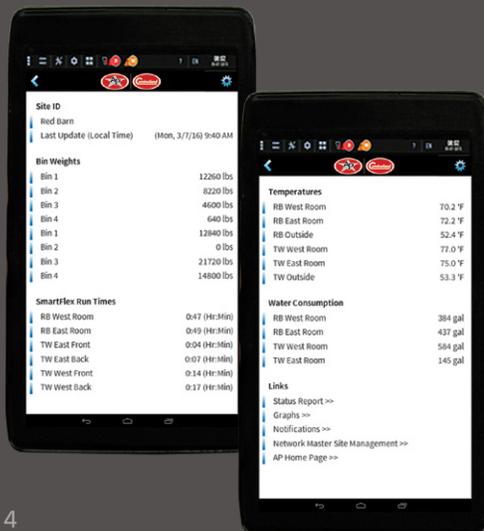| - Alarms | _____ |
Current	None
- Ventilation Info.	_____
Clean Mode	On
Set Point	45.0 °F
Temp Curve	On
Avg. Temp	73.5 °F
Outside Temp	74.4 °F
Fan Stage	Min Vent
Inlet Opening	4%
Stir Fan	Off
Cooling	Off
Soaking	Delay
- Water	_____
Today	0 gallons
Yesterday	0 gallons
Two days ago	0 gallons
- Run Times	_____
Heater 1	0:00 (Hr:Min)
Heater 2	0:00 (Hr:Min)
- Animal Info.	_____
Age	Off
Current Size	1165 Hd
Total Dead	1 Hd
Total Culled	4 Hd
Total Marketed	30 Hd

EXPERT PN-110

- Alarms	_____
Current	None
- Ventilation Info.	_____
Set Point	69.0 °F
Avg. Temp	73.6 °F
Outside Temp	71.9 °F
Fan Stage	4
Inlet Opening	100%
Cooling	Off
- Water	_____
Today	0 gallons
Yesterday	0 gallons
Two days ago	0 gallons
- Run Times	_____
Heater 1	0:00 (Hr:Min)
Heater 2	0:00 (Hr:Min)
- Animal Info.	_____
Age	49 days
Current Size	1181 Hd
Total Dead	1 Hd
Total Culled	3 Hd
Total Marketed	15 Hd

EXPERT VP-18

- Alarms	_____
Current	Probe 2 defect
- Ventilation Info.	_____
Set Point	78.0 °F
Avg. Temp	74.3 °F
Outside Temp	73.9 °F
Fan Stage	Min Vent
Inlet Opening	4%
Cooling	Off
- Water	_____
Today	0 gallons
Yesterday	54273 gallons
Two days ago	6146 gallons
- Run Times	_____
Heater 1	16:04 (Hr:Min)
Heater 2	16:04 (Hr:Min)
- Animal Info.	_____
Age	Off
Current Size	1074 Hd
Total Dead	2 Hd
Total Culled	4 Hd
Total Marketed	20 Hd

EXPERT NATURAL

- Alarms	_____
Current	None
- Ventilation Info.	_____
Set Point	75.0 °F
Avg. Temp	75.3 °F
Outside Temp	73.7 °F
Chimney 1	14%
Chimney 2	11%
Curtain 1	0%
Curtain 2	0%
Curtain 3	15%
Curtain 4	0%
Stir Fan 1	Off
Stir Fan 2	Off
Cooling	Off
- Water	_____
Today	0 gallons
Yesterday	0 gallons
Two days ago	0 gallons
- Run Times	_____
Heater 1	0:00 (Hr:Min)
Heater 2	0:00 (Hr:Min)
- Animal Info.	_____
Age	247 days
Current Size	1192 Hd
Total Mortality	8 Hd

GET EXPERT INFORMATION WITH FEED-LINK NOW!

Alarms
- Current (Expert status**)

Ventilation Information
- Clean mode status
- Set point
- Temp curve status
- Average temperature
- Outside temperature
- Fan stage
- Inlet opening
- Chimney openings (Natural)
- Curtain openings (Natural)
- Stir fan status
- Cooling status
- Soaking status

Watering
- Current and historical data

Run Times
- Heaters
- Feeders (wired to Expert)

Animal Statistics
- Age
- Current size
- Total mortality
- Total culled
- Total marketed

† Requires a wired connection to the Network Master

* Requires an internet connection

** Current Expert status requires blue screen models with latest software on the controller.

Network Master communicates with AP's selection of specialized controls, bringing them all together into one efficient management system.

Network Master

Finish Site 1

Finish Site 2

Finish Site 3

Finish Site 4

Sow Unit

Nursery
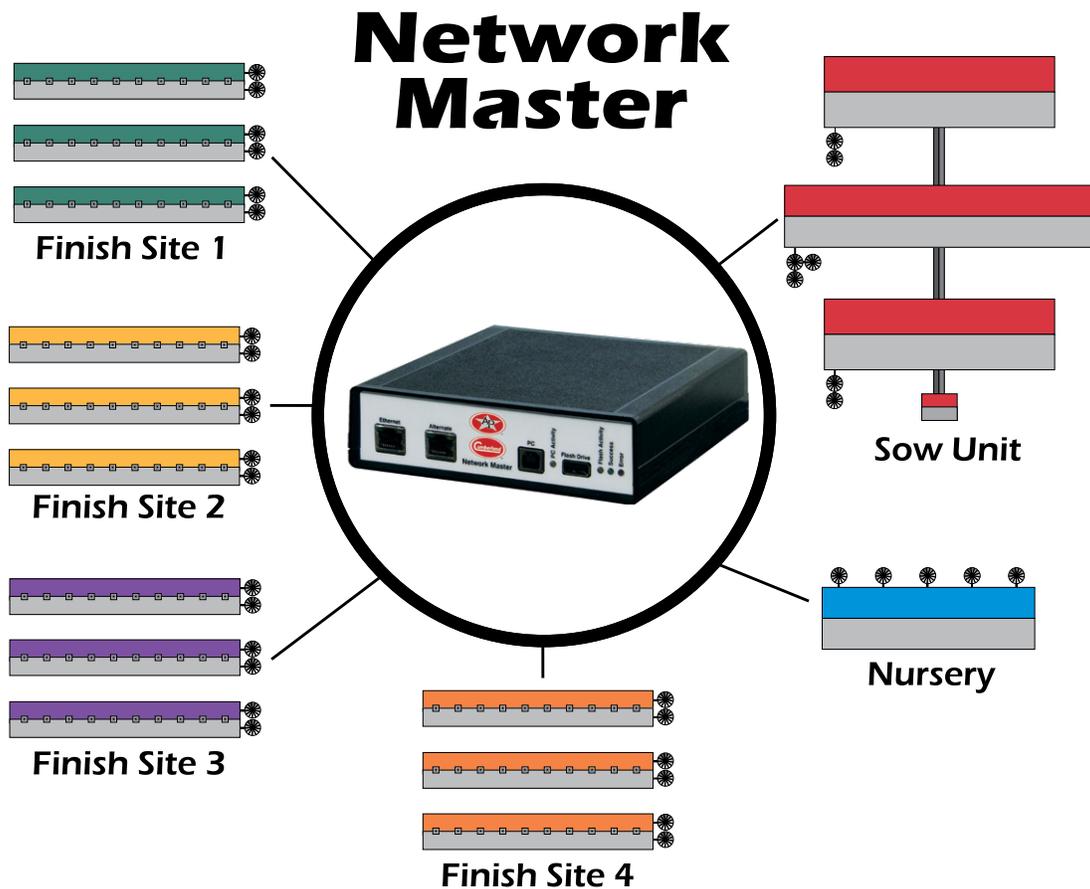
TEMP AND WATER MONITOR

- Requires Network Master
- Monitor daily Hi/Lo Temperatures and water consumption
- Up to 3 temperature probes
- Up to 2 water meters*

* With signal(s) split to send pulse to Expert control

SMART*IR* II UNITS

- Controls the Flex-Flo TM auger.
- Relays all Flex-Flo TM auger information back to Network Master
- Network Master sends emails and/ or text messages for max run time and idle time events.

FEED-LINK™ UNITS

- Up to 8 load cells
- Pounds, Kilograms or Percentage
- Inside or outside mountable
- Up to 2000 ft. from bin
- Optional mounting bracket
- Field calibration

Knowledge is Power

AP's Network Master provides daily status reports and notifications so you can react more quickly to operational needs. Easy-to-read reports, graphs, and historical data allow you make more informative business decisions, improve efficiency, and enhance animal welfare.

Feed-Link Status Reports
24 hour period 1/3/2012 5:00 AM - 1/4/2012 5:00 AM

FEED CONSUMPTION

Name	Weight (lbs)	Cnsmptn Yesterday	Difference	Cnsmptn Avg (days)	Projected Empty
NE Room	8900	6220	-20%	7820 (7)	01/05/2012 9:43 AM
Bin 1	8860	6180		3340 (7)	01/06/2012 5:57 PM
Bin 2	40	40		4480 (7)	01/04/2012 12:57 AM
SE Room	11160	6380	+36%	4680 (7)	01/06/2012 3:27 PM
Bin 3	11140	2280		3960 (7)	01/06/2012 8:58 PM
Bin 4	20	4100		720 (7)	01/04/2012 12:40 AM
NW Room	18520	2760	-58%	6600 (7)	01/07/2012 2:09 AM
Bin 5	7400	2760		3000 (7)	01/06/2012 4:19 PM
Bin 6	11100	0		3600 (7)	01/07/2012 1:12 AM
SW Room	1440	5600	-10%	6220 (7)	01/04/2012 11:33 AM
Bin 7	1440	5600		2920 (7)	01/04/2012 1:58 PM
Bin 8	0	0		3300 (7)	01/04/2012 12:00 AM

SMARTIR II

Name	Run Time Yesterday	Difference	Run Time Average
SW Room	03:07:04	-4%	03:14:32 (7)
SW Rm SF South	00:41:49	-53%	01:28:15 (7)
SW Rm SF North	02:25:15	+37%	01:46:17 (7)

WATER USAGE

Name	Usage Yesterday	Difference	Usage Average (days)
NW Room	2019	+0%	2016 (7)
SW Room	1969	-9%	2162 (7)

TEMPERATURES

Name	Current ('F)	Yesterday ('F)
NW Room	66.8 'F	65.3 'F - 74.8 'F
SW Room	74.8 'F	62.0 'F - 75.8 'F
Outside	27.4 'F	18.8 'F - 44.7 'F

Email or text message notifications

Temperature Reports

FeedLink: Temperature Report
11/10/2011, 9:37 PM

Outside Temperature: 27.0 'F

North Room Temp
Temperature: 59.2 'F
Low: 60.0 'F   High: 90.0 'F   Critical: 100.0 'F

South Room Temp
Temperature: 58.7 'F
Low: 60.0 'F   High: 90.0 'F   Critical: 100.0 'F

Max Run Time Reports

FeedLink: Max Run Time Report
12/21/2011, 6:39 AM

North Room, N Barn East
Max Run Time: 00:40 hour:min

North Room, N Barn West
Max Run Time: 00:40 hour:min

Difference Report

FeedLink: Difference Report
12/16/2011, 2:58 AM

Feed Consumption Differences
North Room: -57% (limit: -30%)
South Room: -58% (limit: -30%)

SmartFlex Run Time Differences
North Feed Line: -57% (limit: -30%)
South Feed Line: -58% (limit: -30%)

Low Feed/Empty Bin Reports

FeedLink: Empty Bin Report
12/27/2011, 6:03 AM
BINS:
=====
North Room, Bin 1
500 lbs

PREVIOUSLY REPORTED:
====================
South Room, Bin 4
0 lbs

Feed Added Report

FeedLink: Feed Added Report
12/30/2011, 3:59 PM

North Room, Bin 1
Feed Added: 30360 lbs (12/30/2011 3:12 PM)
Current Weight: 30600 lbs

North Room, Bin 2
Feed Added: 17040 lbs (12/30/2011 2:57 PM)
Current Weight: 35820 lbs

Definable thresholds for notifications & re-notifications
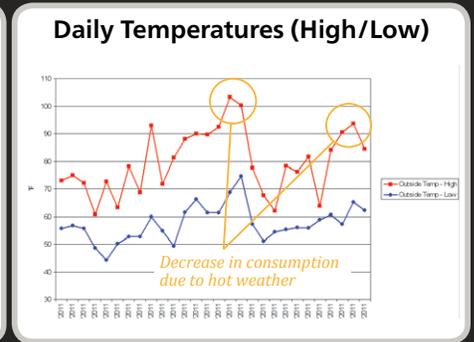
TEMP & WATER
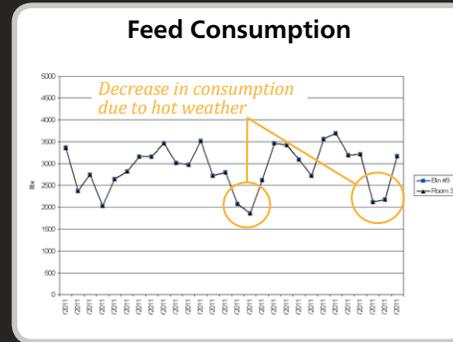Hi Temp, Low Temp,
Water Difference

SMARTIR II UNITS
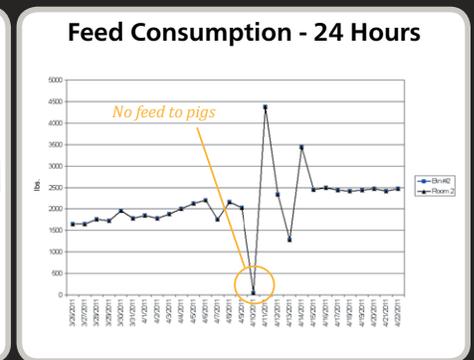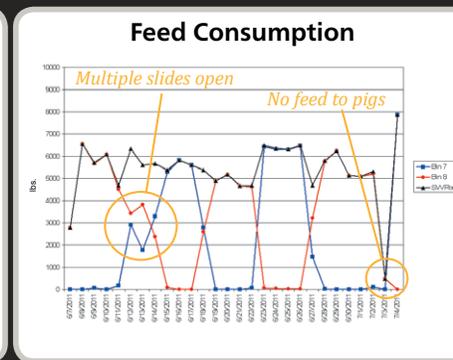Run Time Difference, Max Run,
Idle Time, Pressure Switch

FEED TANKS
Feed Consumption Difference,
Feed Added, Low Feed, Empty Bin

Hot Weather Effects

Feed Consumption
Decrease in consumption due to hot weather

Daily Temperatures (High/Low)
Decrease in consumption due to hot weather

Out-of-Feed Events

Bin Weight
Multiple slides open
No feed to pigs

Feed Consumption
Multiple slides open
No feed to pigs

Feed Consumption - 24 Hours
No feed to pigs

Network Master can provide the information you need to make timely, more informed decisions that help you achieve the maximum return on your investment.

FEEDMILL PAYBACK

- Inform, track, and respond to low or empty feed bins
- Eliminate rush delivery charges
- Cheaper feed delivery rates

• ANIMAL WELFARE PAYBACK

- Informed of feed and water differences to improve knowledge of animal health
- Informed of temperature min./max., and range to improve knowledge of animal environment
- Reduce/eliminate feed outage events
- Improved daily gains & feed conversions
- Lower death loss

WIRELESS MODULES
Eliminate the need to run communication cables with AP's RF Modules. RF Modules allow for wireless communication up to one mile between networked components* within line of site. One server can receive signals from up to seven clients. Each module can be configured as a client or server.

* Expert controllers require a wired connection to the Network Master

PROVEN & DEPENDABLE™

In today's competitive market place, it is essential to maximize the efficiency and performance of your swine production facilities. AP is the industry leader in the manufacture of proven and dependable swine production equipment designed to help you meet these goals.

Save time and money with Feed-Link™

The Integra Feed-Link System from AP provides a cost-effective method of monitoring and managing on-site feed inventory either at the site or from a remote location. Feed-Link can be easily adapted to new or existing facilities to provide accurate real-time data regarding feed inventory levels and feed consumption.

RELIABLE FEED MANAGEMENT
- Eliminate the dangerous and difficult task of manual inspection
- Consistent method of checking feed levels

DISPLAY UNIT JUNCTION BOX
Used for mounting the display indoors
- Supports up to eight load cells
- Display mountable up to 2000 ft. from the bin
- Optional Mounting Bracket

LOAD CELL ASSEMBLIES
- 5,000 or 10,000 lb. units
- Field calibrated
- Adapts easily to most bins utilizing existing anchors
- Size approximately 3" tall

AUTOMATED PRODUCTION SYSTEMS
1004 E. Illinois St. Assumption, IL 62510 USA
Tel: 217-226-4449 Fax: 217-226-3540
Int'l Tel: 217-226-4401
Tech Support: 712-239-1011

For more information on AP's many products and services, contact your local AP representative or visit us online at:
www.automatedproduction.com