asc Signal™
Connecting The World

PRODUCT
SPECIFICATIONS

Next Generation Controller System

Modular and
Customizable Design

- **Graphical User Interface** – Common shared interface design between controller, handheld, and remote software package. Enables ease of use, reduced training, and advanced graphical operations & diagnostics.
- **Open, Standards Based Platform** – Non-proprietary hardware and software design based on proven and reliable technology. User customizable open source license User Interface.
- **Connectivity & Control** – Full complement of hardware interfaces for legacy and next generation technologies providing flexible accessibility for system networking, monitoring, control and maintenance.
- **Flexible Modular Upgrade Architecture** – Designed for field upgradeable drop-in flexibility of hardware and software enhancements for expanded functionality.
- **Fiber Optic Interfacility Link –** For secure and reliable communications, and protection against lightning, interference and transient voltage.
- **Built-In Spectrum Analyzer** – Efficient, dual function Spectrum Analyzer/Beacon Receiver reducing complexity, saving valuable rack space and test equipment requirements.

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SPECIFICATIONS

NEXT GENERATION CONTROL SYSTEM

INDOOR UNIT

ELECTRICAL

AC Input Power . . . . . .120-250 VAC @ 1A
Redundant Power Supplies (Optional)
Summary Alarm Contacts . . . . . .100 VAC @ 5A, 24 VDC @ 1A

MECHANICAL

Dimensions . . . . . 19 in x 5.25 in x 15.5 in
Weight . . . . . .20 lb Max
Mounting . . . . . Rack Mountable 3RU per
ANSI/EIA-310-D-1 992 (5.25 in)

ADDITIONAL FEATURES

Software Licensing - Touch Panel GUI code and remote software provided as open-source (GPL) for customer reference use. Controller and embedded systems are proprietary.

OUTDOOR UNIT

ELECTRICAL

AC Input Power . . . . . .208 or 308 VAC Three Phase,
50/60 Hz, 60A max

MECHANICAL

Dimensions. . . . . .32 in x 26.5 in x 10.5 in
(Other Packages Available)
Weight . . . . . 60 lb
(May Vary with Optional Equipment)

FUNCTION FEATURES

External Interfaces . . . . . Ethernet, RS-232C, USB, AISG Interface
M&C Interfaces . . . . . SNMP v2c via Ethernet (primary M&C interface; TCP/IP APC100 emulation (serial);
TCP/IP based remote control interface available

OPTIONS AVIALABLE

- Built-In Spectrum Analyzer – L-band; doubles as beacon receiver
- Acquisition Assist- Built-in DVB receiver to discriminate satellites
- GSM/GPRS wireless modem for remote access
- Carrier Logging & Mini CMS System (Req's Spectrum Analyzer Option)
- LNA Redundancy and Waveguide Switching Control
- Built-In Beacon Receiver
- Tracking Algorithms – Patented ASC Three-point peaking-based Steptrack included with optional SmarTrack™, Orbital Prediction learning mode NORAD ephemeris tracking, Intelsat Ephemeris tracking, NORAD with adaptive offsets.
- 10 MHz Reference Source
- Redundant Power Supplies
- GPS, Compass, & Inclinometers for Transportable Applications
- Multiple displays for distributed access

Next Generation Controller Block Diagram