∧Summit **Icom IDAS™**

## Remote Site Monitoring and Control for Icom IDAS™ Repeater and Trunked Systems

The benefits of the TASC Systems Summit is the continous monitoring of each individual channel in a repeater or trunked system. If a problem occurs with a specific channel, the TASC System Summit will disable the channel and send alarms via email, SMS or Apex Mobile. This eliminates any disruption in service that the customer would experience.

TASC Systems Summit integrates with Icom IDAS™ repeater and trunked systems to provide remote monitoring and control capabilities. Using TASC Systems' Apex EMS software and TCP/IP connectivity to the Summit, a site is accessible regardless of its location. The Summit and Apex EMS combination monitor, control and send alarming information (via email or SMS) to the applicable personnel when required. Apex Mobile provides management device and alarm information from mobile smart phone, tablet or any other web enabled devices.

The parameters monitored and controlled will vary depending on the design of the system. Here is a list of some common parameters:
• COS and RSSI
• Fan state
• TX PLL
• RX PLL
• TX
• Combined Channel Current Consumption (PA + IDAS™ repeater)

TASC Systems Summit monitoring and control capabilities are typically expanded to include the following:
• Ambient temperature
• Forward and Reflected RF Power
• VSWR
• Charge current and battery voltages
• Generator status
• Doors and contacts
• Remotely reset equipment
• PA Alarms (Low output power, High VSWR, High temperature)
• Power supply fan
• AC Input

Key benefits that you will realized are:
• Reduced Downtime
• "At Source" Decision Making
• Security and Control
• Operational Efficiency

Summit

Icom IDAS™
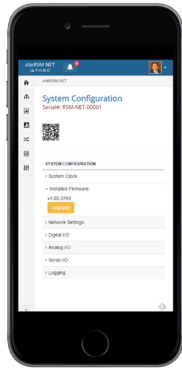
Mobile Interface
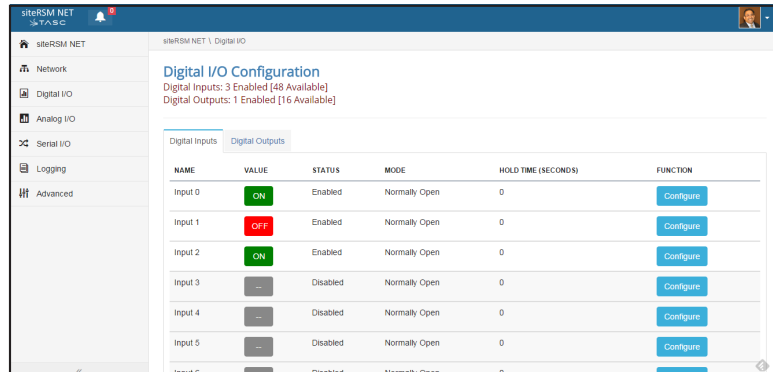
Configuration Interface

Hardware Specifications	
Power	
Range	+8 VDC to +48 VDC
Current Consumption	350mA Maximum (+12v supply)
Operating Temperature	-40° to + 65° C
Digital I/O	
Inputs	Support for contact closure, switches, open collector, or voltage inputs.
Default / Max (per RTU)	48 channels / 192 channels
Input range	0 to 60 VDC
Filters	Hold time, threshold, software defined qualifiers
Outputs	Open drain outputs, 350 mA per channel
Default / Max (per RTU)	16 channels / 36 channels
Output range	Up to 50 VDC
Analog I/O	
Inputs	Multiple thresholds can be defined
Default / Maximum (per RTU)	32 channels / 128 channels
Input Range	0 to 25 VDC or 4 to 20mA (24-bit resolution)
Filters	Hold time, threshold, software defined qualifiers
Outputs	
Default / Maximum (per RTU)	4 channels / 16 channels
Output Range	0 to 20 VDC or 4 to 20mA (16-bit resolution)
Serial Ports	2 ports (default configuration) / Expandable up to 8 ports (per RTU) / 4 ports configurable (RS232/ RS422 / RS485)
Ethernet	2 Ports, 10/100/1000 Base-T Fast Ethernet
Visual Indicators	Front Panel: Multi-Color LED / Rear Panel: Ethernet status
Enclosure Options	19" Rack 1U (1.75in) / DIN-Rail Mount / Wall Mount / NEMA Enclosure

TASC : everything connects