

# Orbital Network Engineering

## 3100 series KG Controller & Network Access Point



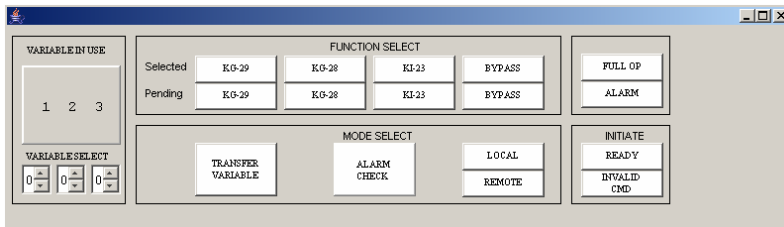
### Key Features

- Supports KG-T & KG-R devices
- Integrated Ternary converters
- FPGA Based
- Redundant –hot swappable Power
- Supports Authenticated and Un-authenticated data
- Real Time Linux based
- Java Based GUI
- Dual 10/100/1000 network support
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### Capabilities



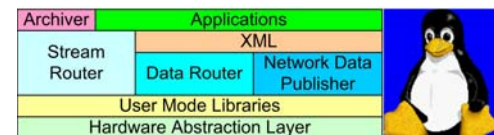
The ONEuP 3100 series is a fully self-contained and network enabled Key Generator Network Access Point. The device allows remote access for control and status over a TCP/IP network of KG devices that are typically located in inaccessible areas. The device provides a remote display of the KG front panel so operators may load keys and change configurations without needing direct access to the unit. Also, users may incorporate command and control of the KG and its modes into their own command and control programs that may access the system directly using XML or Active-X components provided with the system



Our KG controller FPGA cards provide bi-directional ternary data conversion from user supplied data streams. Data may be di-bit, digital, string or XML network message. Echo checking against the received or transmitted message occurs on clear text data

The KG Network Access Point may support multiple KG devices providing multi-unit access from a single system. KG device configuration and monitoring is supported through the browser based ONE KG GUI. This software provides users with access to the unit(s) through front panel emulation of the KG device through Java based displays accessed through a common web browser.

System control is performed through a java enabled web browser, direct access using XML or through our Active-X component. Network access to the system is the primary command and control method though a local display may be employed. The 3100 also supports legacy command and control via optional RS232/422 or GPIB interfaces. When required the system is easily and securely updated via a simple USB flash drive.



### Ordering Information

**ONE 3100 series Systems are available in 2U and 4 U configurations.  
Contact ONE for configuration options, price and availability.**