

ARETAS CORE IOT GATEWAY - Customizable Monitoring

32-bit Version	64-bit Version
<ul style="list-style-type: none"> • Amlogic ARM® Cortex®-A5(ARMv7) 1.5Ghz quad core CPUs • Mali™-450 MP2 GPU • 1Gbyte DDR3 SDRAM • eMMC4.5 HS200 Flash Storage slot / UHS-1 SDR50 MicroSD Card slot • Ubuntu 16.04 based on Kernel 3.14LTS • 8GB – 128GB eMMC Storage (16GB standard) • Can support external storage (2-4TB) • Supports a minimum of 20 Aretas Sensors • Configurable Data Logging • Support for Aretas Cloud Services • Configurable Long Term Data Retention (defaults to 48hrs) depending on chosen storage size. • CSV Export of Logged Data • Supports DCV / Control Applications when used with Aretas DCV controller • Web based interface to show real-time sensor data 	<ul style="list-style-type: none"> • Amlogic ARM® Cortex®-A53(ARMv8) 1.5Ghz quad core CPUs • Mali™-450 GPU • 2Gbyte DDR3 SDRAM • eMMC5.0 HS400 Flash Storage slot / UHS-1 SDR50 MicroSD Card slot • Ubuntu 16.04 based on Kernel 3.14LTS • 8GB – 128GB eMMC Storage (16GB standard) • Can support external storage (2-4TB) • Supports a minimum of 40 Aretas Sensors • Configurable Data Logging • Support for Aretas Cloud Services • Configurable Long Term Data Retention (defaults to 48hrs) depending on chosen storage size. • CSV Export of Logged Data • Supports DCV / Control Applications when used with Aretas DCV controller • Web based interface to show real-time sensor data
Physical Characteristics	
<ul style="list-style-type: none"> • Size : 90 x 59 x 28 mm 	<ul style="list-style-type: none"> • Size : 90 x 59 x 28 mm
Electrical	
<ul style="list-style-type: none"> • Avg Power Consumption: 590mA @5VDC • Peak Power Consumption as configured: 800mA @5VDC • 5V/2A Power Supply 	<ul style="list-style-type: none"> • Avg Power Consumption: 500mA @5VDC • Peak Power Consumption as configured: 850mA @5VDC • 5V/2A Power Supply
Connectivity	
<ul style="list-style-type: none"> • Gigabit Ethernet • HDMI 2.0 4K/60Hz display • USB 2.0 Host x 4, USB OTG x 1 (power + data capable) • XBee / USB Adapter (supports 2.4GHz and 900MHz Radio Products) 	<ul style="list-style-type: none"> • Gigabit Ethernet • HDMI 2.0 4K/60Hz display • USB 2.0 Host x 4, USB OTG x 1 (power + data capable) • XBee / USB Adapter (supports 2.4GHz and 900MHz Radio Products)

