

Small Form Factor GOES Box Computer Description and Specifications

Automated Sciences

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The GOES Box Computer takes data from the H8 Receiver via a 100mbps ethernet port processes the incoming packets and creates time stamped satellite imagery datasets in our Gridded data format on the internal hard disk. This data is then accessed through a second Gigabit ethernet port by the RVT Workstation.

It will store up to a 72hours history of satellite imagery and will automatically delete the oldest dataset to prevent the disk from filling beyond a user specified limit.

It includes a 64 bit CentOS Linux based system and our JMA H8 software stack designed to do as described above. It does not require a head (video monitor, keyboard, mouse) to operate as it presents no visuals. It can be kept in a small closet along with the H8 Receiver reliably doing its job.



Specifications:

- Model# SFF-GOESBOX
- Small Form Factor GOES Box computer for headless operation.
- Intel 10th generation quad core CPU @3.6Ghz with integrated GPU
- 32GB DDR4 RAM
- 1TB solid state flash disk
- Three 4TB Hard Disks setup as a RAID 5 array with 6.7TB of capacity
- Three gigabit Ethernet ports, one 2.5GBPS port
- Operating Line Voltage: 100-240VAC
- Max power requirement: 100W
- Allowed Ambient temperature: 5-45C
- Humidity 0-95%, non-condensing
- Product Dimensions: 38L x 19W x 31H (cm)
- Product Weight: 11Kg
- Includes JMA H8 automated ingest and storage management software stack
- Small Form factor allows for inexpensive shipping