

Controller FCU^{3.0}

The controller FCU^{3.0} is suited for the operation of up to four devices with multiple axis of motion. Those devices can be any combinations of antenna masts, turntables, cable guide rails or any other positioning equipment. Furthermore, the FCU^{3.0} permits the operation in manual, semi-automatic and remote control of multiple devices simultaneously via Ethernet.



Technical data:

Ports	4x LAN, 4x Fibre optics
Transfer rate	100 Mbit/s
Voltage	100 V – 240 V / 50 Hz – 60 Hz
Current consumption	max. 20 W
Fuse	2x T1,6 A
Size in mm (W x D)	19" Rack mount (427 x 300)
Height	1 HE (44 mm)
Temperature range	5°C – 40°C
Total weight	3 kg
Accessories	mcApp HSU ^{3.0} handheld service unit Matur dogle USB – network adapter

Requirements for existing PC

- Windows 7 32/64bit or better
- .NET Framework (included with mcApp software)
- 1 GB RAM
- 1 GHz Processor
- 5.5 GB disk space

Brief description FCU^{3.0}

The FCU^{3.0} works with EMC software from Rohde & Schwarz, Teseq, NEXIO, Toyo, TDK, Dare!!. LAN (TCP/IP) is used as interface. A software, which allows an automatic measurement procedure, can be programmed by Python, Matlab, C++ and C# easily. Existing devices with a GPIB interface can still be used in parallel to FCU^{3.0}.

Highlights:

- mcApp
Installation on an existing PC
Software to control all axis of all devices



Home screen of the mcApp

- Handheld service unit (HSU^{3.0})
Moving the positioning device manually, without FCU^{3.0}
e.g.: for initial installation

Update capability and readout of error logs of the positioning devices via USB



- Matur dogle
USB stick Type – A
necessary for running the devices



Information presented enclosed is subject to change as product enhancements are made regularly. Pictures included are for illustration purposes only and do not represent all possible configurations.