

MAGNUM

RFID Reader Industry
Stationary

PART ID:
4053

The MAGNUM 4053 reader is the next generation of RAIN RFID reader and the leading IoT device for all professional AutoID solutions. Its high-performance 33 dBm UHF RF unit, optional connectivity modules like PoE+ interface and the powerful scalable processing unit will change the way how identification works. Base on the latest RFID standards like EPC Gen2v2 / ISO 18000-63C TECTUS MAGNUM 4053 Series supporting all market leading Transponder Chip Features for security, authentication and encoding

Main Specifications

Frequencies	LF HF UHF
Material	Other
Operating Temperature	-20°C to 55°C
IP Class	IP67
Compliance	RoHs & Reach, CE
Key Features	Integrated Antenna, PoE+, 33 dBm RF Unit, Rugged Design



Full Specifications

Product ID	4053
Name	MAGNUM
Material	Other
Shape	Long Range
Long Description	The MAGNUM 4053 reader is the next generation of RAIN RFID reader and the leading IoT device for all professional AutoID solutions. Its high-performance 33 dBm UHF RF unit, optional connectivity modules like PoE+ interface and the powerful scalable processing unit will change the way how identification works. Base on the latest RFID standards like EPC Gen2v2 / ISO 18000-63C TECTUS MAGNUM 4053 Series supporting all market leading Transponder Chip Features for security, authentication and encoding
Key Features	Integrated Antenna, PoE+, 33 dBm RF Unit, Rugged Design
Article Type	Stationary
Color	Grey
Length [mm]	300

® TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS declines all responsibility for the use of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility. Where application information is given, it is only advisory and does not form part of the specification.

Width [mm]	300
Thickness [mm]	71
Weight [g]	4000
Anticollision	yes
IP Class	IP67
PCB Material	FR4
Chemical Resistance	Not Specified
Flame Resistance	UL 94 V0
Mechanical Resistance	IEC 68.2.27/ IEC 68.2.6
Compliance	RoHs & Reach, CE
Read / Read Write	Read&Write
Typical Reading Range	10m
Supported Standards / Tags	EPC Gen 2v2
Operating Temp °C (min)	-20
Operating Temp °C (max)	55
Storage Temp °C (min)	-40
Storage Temp °C (max)	85
Power Supply	10-30V
Operating Frequency	UHF
Frequency Range	865~868MHz
Current Consumption	450mA
Power over Ethernet [PoE]	Yes
Interfaces Physical	Ethernet
Interfaces Protocol	TCP/IP
Transfer rate [Baud]	10/100
Antenna Ports	4
Antenna int.	1
Antenna ext.	3
GPIO	8
Number of Input	4
Number of Output	4
Connection	M12 Connector
Status [Display,LED]	Yes
Operating System	Linux
Development Tools	API/Demo
Accessories	yes

VARIANTS

ID	Variant
4053-01-000-00	UHF Read/Write Longrange ETSI
4053-02-000-00	UHF Read/Write Longrange FCC