

KEPLER - 16

THE SYSTEM

discovered in
via the
distance
constellation

2011
transit method
196 light years
Cygnus ($19^{\text{h}}16^{\text{m}}$)

THE STARS

mass of A	0.69 suns
mass of B	0.20 suns
radius of A	0.65 suns
radius of B	0.23 suns
temperature of A	4450 Kelvin
temperature of B	2800 Kelvin
total luminosity	0.16 suns
orbit	41.1 days
separation	0.224 au
eccentricity	0.16

THE PLANET

b	
distance (au)	0.705
orbit (years)	228.8
mass (jupiters)	0.33
radius (jupiters)	0.75
eccentricity	0.007
type	giant



