Jkij/Rgthqtocpeg."4z32"Cwvquykvej"Fkuvtkdwvkqp"CornkLgt

FDC3302e is a high-performance, dual-input, ten-output, frequency distribution amplifier in a 1U rackmount chassis. The FDC3302e (FDC) provides ten isolated copies of a 100 kHz - 30 MHz input signal. Fault sensing of signal levels is provided on all inputs and outputs and status is easily visible via front-panel LED indicators. The FDC is monitored and controlled via a network port and a serial port. Dual power supplies are optionally available to provide the highest reliability for mission critical applications. The FDC is unique in the industry - no other low-cost system offers this combination of capabilities and performance.

> phase noise and distortion. The input-output circuits are optimzed to keep propagation delay low and ensure high isolation between outputs as well as the inputs. Power supply voltages are post-regulated and all output buffers are individually regulated, ensuring very low output spurious noise levels.

Autoswitching

The FDCös fault-tolerant design supports dual-frequency reference inputs. The health of the input

signals is continuously monitored and if a signal is not present, or the amplitude greatly reduced, it will automatically switch to the other input. This failover feature ensures that your critical signals are always present if one of the inputs become unavailable or its level is compromised.

Alarm Input

FDC3302e is compatible with the alarm output signal from the Meridian II and Tycho II Precision TimeBase. If one of these time and frequency standards is sourcing the FDC and its alarm output goes active, then the FDC will automatically switch to the backup. To support bank switching, this alarm input may be cascaded to multiple FDC units by simply connecting the inputs with coaxial cable and BNC T-adapters.

Status Indicators

Front panel LEDs provide you at a-glance status of the distribution chassis. The FDC provides LED indicators for the power supply(ies), two inputs, all output signals and a summary alarm. The summary alarm is also available as an open-collector output on a rear-panel BNC.

Control and Status Monitoring							
The FDC can be configur 🛛	two	epporly	S	tor	t	orialpporm.	В

Dual Power Supplies

For the highest level of power source and supply fault-tolerance, the FDC supports dual redundant, AC or DC power supplies. The two power supplies can be any combination of AC/AC, AC/DC, or DC/DC.

High Reliability

FDC3302e uses EndRunis power-efficient, fanless design and thermal packaging that achieves an estimated MTBF up to 30 years. The system

М