

REAL-TIME DATA TRANSMISSION PROTOCOLS FOR INDUSTRIAL NETWORKS

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Abstract: *The following report summarizes the aspects that have to be considered during design and set-up of connections for multimedia through IP-based networks in industrial environments. Especially the signalling protocols H.323 and SIP and their derivate relatives are scrutinized towards their suitability for control- and video point-to-point and point-to multipoint connections for multiple service applications. It characterizes various technical aspects that have to be considered when real-time voice, multimedia connections or control loops shall be realized by use of IP-based network structures for data transmission and signalling equipment in mechanic and electronic systems and machine tools.*

Key words: *data, protocol, H.323, control, interference*



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